Covestro Sheet Europe has turned Exolon Group

Our top quality products, the experienced team and our services remain the same.
For further information visit: www.exolongroup.com

exolon GROUP

Delivery Program Sheets EMEA 2019

makrolon®
vivak®
axpet®

Definitions

Standard
Production runs planned at regular intervals

Semi-Standard
Production runs depending on market requirements

On request
No planned production runs, minimum order quantity required.
Please ask for the particular minimum order quantity as far as solid sheets are concerned.

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

ÄNDERUNGEN IM LIEFERPROGRAMM MASSIVPLATTEN

Bei einigen Produkten hat sich der Status (Standard, Semi-Standard, Auf Anfrage) geändert.

ÄNDERUNGEN IM LIEFERPROGRAMM MAKROLON® MULTI UV

Bei einigen Produkten hat sich der Status (Standard, Semi-Standard, Auf Anfrage) geändert.

PRODUKTINFORMATIONEN: TECHNISCHE DATENBLÄTTER, BROSCHÜREN ETC.

Wir überarbeiten unsere Dokumentation in regelmäßigen Abständen und stellen sie auf unserer Website unter www.sheets.covestro.com zur Verfügung.

Es liegt außerhalb unserer Kontroll- und Einflussmöglichkeiten, in welcher Art und Weise und zu welchem Zweck Sie unsere Produkte, technischen Unterstützungen sowie Informationen (unabhängig ob mündlich, schriftlich oder anhand von Produktionsbewertungen erhalten), einschließlich vorgeschlagener Formulierungen und Empfehlungen, anwenden und/oder einsetzen. Daher ist es unerlässlich, dass Sie unsere Produkte, technischen Unterstützungen und Informationen sowie Formulierungen und Empfehlungen eigenverantwortlich daraufhin überprüfen, ob sie für die von Ihnen beabsichtigten Zwecke und Anwendungen auch tatsächlich geeignet sind. Eine anwendungsspezifische Untersuchung muss mindestens eine Überprüfung auf Eignung in technischer Hinsicht sowie hinsichtlich Gesundheit, Sicherheit und Umwelt umfassen. Derartige Untersuchungen wurden nicht notwendigerweise von Covestro durchgeführt. Der Verkauf aller Produkte erfolgt – sofern nicht schriftlich anders mit uns vereinbart – ausschließlich nach Maßgabe unserer Allgemeinen Verkaufsbedingungen, die wir Ihnen auf Wunsch gerne zusenden. Alle Informationen und sämtliche technische Unterstützung erfolgen ohne Gewähr (jederzeitige Änderungen vorbehalten). Es wird ausdrücklich vereinbart, dass Sie jegliche Haftung (Verschuldenshaftung, Vertragshaftung und anderweitig) für Folgen aus der Anwendung unserer Produkte, unserer technischen Unterstützung und unserer Informationen selbst übernehmen und uns von aller diesbezüglichen Haftung freistellen. Hierin nicht enthaltene Aussagen oder Empfehlungen sind nicht autorisiert und verpflichten uns nicht. Keine hierin gemachte Aussage darf als Empfehlung verstanden werden, bei der Nutzung eines Produkts etwaige Patentansprüche in Bezug auf Werkstoffe oder deren Verwendung zu verletzen. Es wird keine konkludente oder tatsächliche Lizenz aufgrund irgendwelcher Patentansprüche gewährt.

TOLERANCE ON THICKNESS SOLID SHEETS

Thickness in mm	Tolerance
0,5 (Vivak®)	-0.05 / +0.15 mm
0,75 - 2 mm	± 10 %
> 2 mm	± 5 %

LENGTH / WIDTH (STANDARD):

≤ 2000 mm -0/+6 mm
> 2000 mm -0/+3 mm/m

LENGTH / WIDTH (CUT ON-LINE):

700 - 2000 mm ± 2 mm
2001 – 3000 mm ± 3 mm
3001 – 4000 mm ± 4 mm
4001 – 5000 mm ± 5 mm
5001 – 6000 mm ± 6 mm

LENGTH / WIDTH (CUT OFF-LINE):

0 – 1500 mm ± 0.5 mm
1501 – 3000 mm ± 1.0 mm
3001 – 6000 mm ± 2.0 mm

SHRINKAGE:

≤ 2 mm thickness max. 6 %
≥ 3 mm thickness max. 3 %

RECTANGULARITY (STANDARD, DIFFERENCE IN LENGTH BETWEEN DIAGONALS):

Shall be less than 0.35% of the width of the sheet or 2 mm, whichever is the higher.

Other tolerances are only available on request.

Sheets produced according to previous edit of product tolerances, might differ from actual tolerances and will be supplied as long as available in our warehouse.

COLOUR

Slight differences in the hue of coloured sheets may occur from batch to batch. We therefore advise you to use only sheets from the same batch for each individual project.

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

TOLERANCE ON THICKNESS MULTI WALL SHEETS

Thickness in mm	Tolerance
all types	± 0,5 mm

LENGTH (STANDARD, CUT ON-LINE):

< 4000 mm	-0/+12 mm
4000 - < 5000 mm	-0/+16 mm
≥ 5000 mm	-0/+20 mm

WIDTH (STANDARD, CUT ON-LINE):

-2/+6 mm

FLATNESS IN DIRECTION OF EXTRUSION (STANDARD):

≤ 3 mm/m

FLATNESS CROSSWISE IN DIRECTION OF EXTRUSION (STANDARD)

≤ 4 mm/m

RECTANGULARITY (STANDARD, DIFFERENCE IN LENGTH BETWEEN DIAGONALS):

Shall be max 0.35% of the width of the sheet

LATERAL CURVATURE

Valid for sheets with closed edges as well as for sheet cut on both sides along the ribs (ex works or by the cus-tomer) with a minimum width of 800 mm: ≤ 4 mm/m - max. 20 mm.

Other tolerances are only available on request.

COLOUR

Slight differences in the hue of coloured sheets may occur from batch to batch. We therefore advise you to use only sheets from the same batch for each individual project.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon® multi UV

EXAMPLE: MAKROLON® UV BRONZE 2850

Makrolon®	UV	bronze	2850
Brandname	**Properties**	**Colour group**	**Definition (4 digits)**
Makrolon® Vivak® Axpet®	GP: general purpose UV: UV-protected NR: non-reflective AR: abrasion resistant FR: flame-retardant FG: food grade	clear white bronze grey green blue umbra	1st digit: properties - no special properties 2 = 2 sides UV-protected 7 = 1 side abrasion resistant 8 = 2 sides abrasion resistant 2nd digit: colour 0 clear 1 white 2 orange 3 red 4 violet 5 blue 6 green 7 grey 8 brown / bronze 9 black 3rd & 4th digit: reference number *Example: 2850* *2 sides UV-protected, bronze,* *50 = Reference number*

* only valid for standard products

STRUCTURE (OPTIONAL)

R: raindrop
H: haircell
P: pearl
X: prism
G: fine ripples
C: chairmat

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

EXAMPLE: MAKROLON MULTI UV® 5X/16-25 WHITE 1146

Makrolon®	5X/ 16-25	white	1146
Brandname	**Geometry**	**Colour**	**Definition (4 digits)**
Makrolon® multi UV	1st digit: layers 2: twinwall 3: triplewall 4: 4-wall 5: 5-wall 6: 6-wall 7: 7-wall Optional: structure X: X-structure M: M-structure 2nd digit: thickness e.g. 16: 16 mm thick 3rd digit: rib distance e. g. 25: 25 mm	clear white bronze green blue	1st digit: properties 1 = 1 side UV-protected 2 = 2 sides UV-protected 4 = 1 side UV, 1 side no drop 2nd digit: colour 0 clear 1 white 2 orange 3 red 4 violet 5 blue 6 green 7 grey 8 brown/ bronze 9 black 3rd & 4th digit approximate light transmission example: 1146 1 side UV-protected, white, LT ~45%

ADDITIONAL PROPERTIES (OPTIONAL)

IQ-Relax:	heat reflecting opal multiwall sheet
no drop:	no drop coating on 1 side
CC:	Climate Control, transparent and heat reflecting
ES:	Extra Strong
BF:	Butterfly

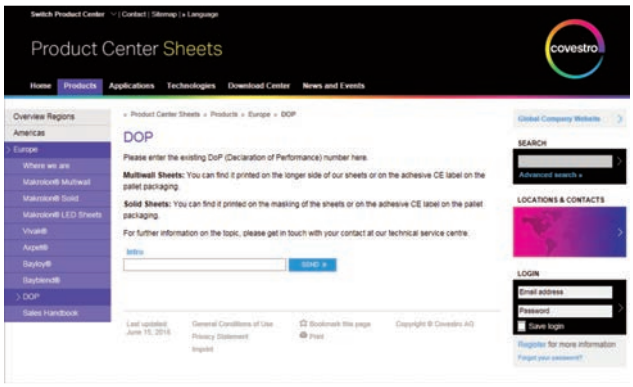
The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon® multi UV

DECLARATION OF PERFORMANCE/ CE-MARKING FOR MAKROLON® MULTI & SOLID SHEETS

For all **multi and solid sheets** in our catalogue we have a CE marking in accordance with EN 16153 available.

A document with a declaration of performance for each type of multi or solid sheet can be downloaded from our website, under "Documentation – DoP".
Link to DoP No. : http://www.sheets.covestro.com/en/Products/Europe/DOP.aspx



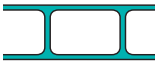
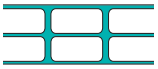
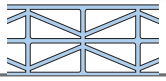
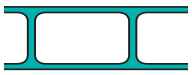
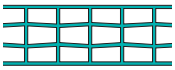
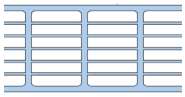
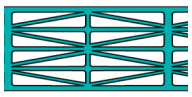
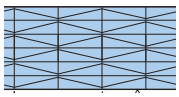
Please enter the existing DoP (declaration of performance) number here. You can find it printed on the longer side of our multi or solid sheets or on the adhesive CE label on the pallet packaging.

For further information please get in touch with your contact at our technical service center.

Our technical data sheets provide further technical information on the types of solid & multiwall sheets. The latest versions of the respective data sheets can be downloaded from our website.

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

Profile	Name	Thickness in mm	Product Line	Application recommendation
	Makrolon® multi UV 2/4–8	4	S Line Standard	Standard
	Makrolon® multi UV 2/6–8	6		
	Makrolon® multi UV 2/8–10,5	8		
	Makrolon® multi UV 2/10–10,5	10		
	Makrolon® multi UV 3/16–20	16		
	Makrolon® multi UV 5X/16–25	16		
	Makrolon® multi UV 2/16–30	16	I Line Innovative	20 YEARS WARRANTY AGAINST WEATHERING
	Makrolon® multi UV 4/10–6	10	I Line Innovative	Barrel vault
	Makrolon® multi UV 7/16–14	16		
	Makrolon® multi UV 7/20-14	20		
	Makrolon® multi UV 5M/25–20 5M/ 32-20	25 32	I Line Innovative	Saving Energy
	Makrolon® multi 7M/ 16-28	16	I Line Innovative	Saving Energy
	Makrolon® multi 7M/ 20-28	20		
	Makrolon® multi 7M/ 25-28	25		
	Makrolon® multi 7M/ 32-28	32		
	Makrolon® multi 7M/ 40-28	40		
	Makrolon® multi 7M/ 50-28	50		

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon® multi UV

MAKROLON® MULTI UV 2/4

Makrolon® multi UV 2/4 is a twinwall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side.

DESCRIPTION

Makrolon® multi UV 2/4-8

Thickness:	4 mm	
Rib distance:	8 mm	
Weight:	0,8 kg/m²	
Light transmission:	clear 1099:	82%
	white 1146:	77%
	white 1125:	28%
	bronze 1845	48%

STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/4-8	**clear 1099**	2 100 mm	6 000 mm	100

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/4-8	**white 1125**	2 100 mm	on request	on request
	bronze 1845	2 100 mm	on request	on request
	white 1146	2 100 mm	on request	on request

Thickness 4 mm

makrolon® multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

MAKROLON® MULTI UV 2/6

Makrolon® multi UV 2/6 is a twinwall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. .

DESCRIPTION

Makrolon® multi UV 2/6-8

Thickness:	6 mm	
Rib distance:	8 mm	
Weight:	1,3 kg/m²	
Light transmission:	clear 1099:	82%
	white 1146:	80%
	white 1125:	24%
	blue 1545:	45%
	green 1650:	58%

STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/6-8	**clear 1099**	2 100 mm	6 000 mm	70
	clear 2099	2 100 mm	6 000 mm	70

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/6-8	**clear 1099**	2 100 mm	3 000/ 7 000 mm	70/ 60
	clear 2099	2 100 mm	3 000/ 7 000 mm	70/ 60

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/6-8	**white 1125**	2 100 mm	on request	on request
	white 1146	2 100 mm	on request	on request
	bronze 1845	2 100 mm	on request	on request
	blue 1545	2 100 mm	on request	on request
	green 1650	2 100 mm	on request	on request

Thickness 6 mm

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

MAKROLON® MULTI UV 2/8

Makrolon® multi UV 2/8 is a twinwall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side.

DESCRIPTION

Makrolon® multi UV 2/8-10.5

Thickness:	8 mm	
Rib distance:	10.5 mm	
Weight:	1,5 kg/m²	
Light transmission:	clear 1099:	81%
	white 1146:	78%
	blue 1545:	44%
	green 1650:	58%

SPECIAL TYPES

Makrolon multi UV 2/8-10.5 no drop
Makrolon multi UV 2/8-10.5 2 UV

STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/8-10.5	**clear 1099**	2 100 mm	6 000 mm	60
	clear 2099	2 100 mm	6 000 mm	60
	white 1146	2 100 mm	6 000 mm	60
	white 2146	2 100 mm	6 000 mm	60

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/8-10.5	**clear 1099**	2 100 mm	7 000 mm	50
	clear 2099	2 100 mm	7 000 mm	50
	white 1146	2 100 mm	7 000 mm	50
	white 2146	2 100 mm	7 000 mm	50

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/8-10.5	**blue 1545**	2 100 mm	on request	on request
	green 1650	2 100 mm	on request	on request
	clear 4099 no drop	2 100 mm	on request	on request
	bronze 1845	2 100 mm	on request	on request
	white 1125	2 100 mm	on request	on request
	white 1140 IQ-Relax	2 100 mm	on request	on request

Thickness 8 mm

makrolon® multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

MAKROLON® MULTI UV 2/10

Makrolon® multi UV 2/10 is a twinwall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The twinwall structure offers a high structural stiffness in combination with a low weight.

DESCRIPTION

Makrolon® multi UV 2/10-10.5

Thickness:	10 mm	
Rib distance:	10.5 mm	
Weight:	1,7 kg/m²	
Light transmission:	clear 1099:	80%
	white 1146:	70%
	IQ-Relax:	70%
	white 1125:	19%
	blue 1545:	42%
	green 1650:	54%

SPECIAL TYPES

Makrolon multi UV 2/10-10.5 no drop
Makrolon multi UV 2/10-10.5 IQ-Relax
Makrolon multi UV 2/10-10.5 2 UV
Makrolon multi UV 2/10-10.5 CC

STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/10-10.5	**clear 1099**	2 100 mm	6 000/ 7 000 mm	50/ 45
	clear 2099	2 100 mm	5 000/ 6 000/ 7 000 mm	50/ 50/ 45
	white 1146	2 100 mm	6 000/ 7 000 mm	50/ 45
	white 1125	2 100 mm	6 000 mm	50
	white 2146	2 100 mm	6 000 mm	50
	bronze 1845	2 100 mm	6 000/ 7 000 mm	50/ 45

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/10-10.5	**clear 1099**	2 100 mm	3 000/ 4 000/ 5 000 mm	50
	clear 2099	2 100 mm	3 000/ 4 000 mm	50/ 50
	white 1125	2 100 mm	3 000/ 4 000/ 5 000/ 7 000 mm	50/ 50 / 50/ 45
	white 1146	2 100 mm	3 000/ 4 000/ 5 000 mm	50
	white 2146	2 100 mm	3 000/ 4 000/ 5 000/ 7 000 mm	50/ 50 / 50/ 45
	bronze 1845	2 100 mm	3 000/ 4 000/ 5 000 mm	50

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/10-10.5	**white 1140 IQ-Relax**	1 250/ 2 100 mm	on request	on request
	clear 4099 no drop	1 250/ 2 100 mm	on request	on request
	clear 1099	1 250 mm	on request	on request
	clear 2099	1 250 mm	on request	on request
	clear 2070 CC	2 100 mm	on request	on request
	white 1146	1 250 mm	on request	on request
	bronze 2845	1 250/ 2 100 mm	on request	on request
	blue 1545	1 250/ 2 100 mm	on request	on request
	green 1650	1 250/ 2 100 mm	on request	on request

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon® multi UV

I Line
Innovative

MAKROLON® MULTI UV 2/16

The strong one of the twinwall sheets with a warranty of 20 years on weathering and hail resistance. Makrolon® multi UV 2/16 is a twinwall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on both sides and an excellent load bearing. The sheet has a high hail resistance classification according to Swiss standards..

PRODUCT DESCRIPTION

Makrolon® multi UV 2/16-30

Thickness	16 mm	
Rib distance:	30 mm	
Weight:	3,6 kg/m²	
Light transmission:	clear 2099:	77%
	white 2146:	57%
	bronze 2845:	22%
	clear 2070 CC:	70%

SPECIAL TYPES

Makrolon® multi UV 2/16-30 no drop
Makrolon® multi UV 2/16-30 Climate Control (CC)

20 YEARS WARRANTY AGAINST WEATHERING

STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/16-30	**clear 2099**	980 mm	5 000 mm	30

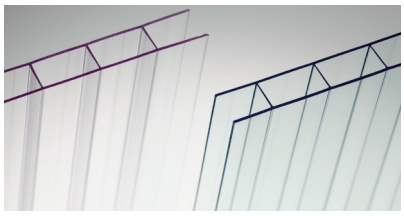
SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/16-30	**clear 2099**	980 mm	3 000 mm	30
			3 500 mm	30
			4 000 mm	30
			6 000 mm	30
			7 000 mm	30

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 2/16-30	**bronze 2845**	980/ 1200 mm	on request	on request
	clear 4099 no drop	980/ 1200 mm	on request	on request
	clear 2070 CC	980/ 1200 mm	on request	on request
	clear 2099	1 200 mm	on request	on request
	white 2146	980/ 1 200 mm	on request	on request

Thickness 16 mm



makrolon® multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

MAKROLON® MULTI UV 3/16

Makrolon® UV multi UV 3/16 is a triplewall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on both sides. Key features of this geometry are a high transparency and a good load bearing.

PRODUCT DESCRIPTION

Makrolon® multi UV 3/16-20

Thickness	16 mm	
Rip distance:	20 mm	
Weight:	2,6 kg/m²	
Light transmission:	clear 2099:	74%
	white 2146:	62%
	bronze 2845:	30%

SPECIAL TYPE

Makrolon® multi UV 3/16-20 no drop

STANDARD RANGE

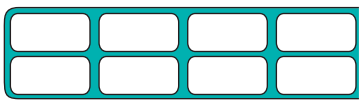
Product		Width	Length	Sheets per pallet
Makrolon multi UV 3/16-20	**clear 2099**	980 mm	6 000/ 7000 mm	30/ 30
		1 200 mm	6 000 mm	30
		2 100 mm	6 000 mm	30

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 3/16-20	**clear 2099**	980 mm	3 000 mm	30
			4 000 mm	30
			5 000 mm	30
		1 200 mm	7 000 mm	30
		2 100 mm	7 000 mm	30

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 3/16-20	**bronze 2845**	980/ 1 200/ 2 100 mm	on request	on request
	clear 4099 no drop	980/ 1 200/ 2 100 mm	on request	on request
	white 2146	980/ 1 200/ 2 100 mm	on request	on request



Thickness: 16 mm

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon® multi UV

I Line
Innovative

MAKROLON® MULTI UV 4/10

Makrolon® multi UV 4/10 is a 4-wall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The 4-wall sheet with Y-structure offers excellent thermal insulation, very good cold bending properties and a very high structural stiffness in combination with a low weight.

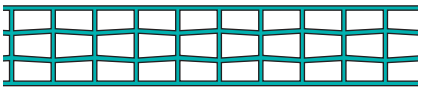
DESCRIPTION

Makrolon® multi UV 4/10-6

Thickness:	10 mm	
Rib distance:	6 mm	
Weight:	1,75 kg/m²	
Light transmission:	clear 1099:	68%
	white 1146:	61%
	IQ-Relax:	52%

SPECIAL TYPES:

Makrolon® multi UV 4/10-6 IQ-Relax
Makrolon® multi UV 4/10-6 no drop



Thickness 10 mm

STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 4/10-6	**clear 1099**	2 100 mm	3 000/ 4 000/ 5 000 mm	50
			6 000 mm	50
			7 000 mm	45
	white 1146	2 100 mm	5 000/ 6 000 mm	50
			7 000 mm	45
	white 1140 IQ-Relax	2 100 mm	3 000/ 4 000/ 5 000 mm	50
			6 000/ 7 000 mm	50/ 45
	bronze 1845	2 100 mm	6 000 mm	50

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 4/10-6	**white 1146**	2 100 mm	3 000/ 4 000 mm	50
	bronze 1845	2 100 mm	3 000/ 4 000/ 5 000 mm	50
			7 000 mm	45

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 4/10-6	**clear 1099**	1 250 mm	on request	on request
	white 1125	1 250/ 2 100 mm	on request	on request
	white 1146	1 250 mm	on request	on request
	white 1140 IQ-Relax	1 250 mm	on request	on request
	clear 4099 no drop	1 250/ 2 100 mm	on request	on request
	blue 1545	1 250/ 2 100 mm	on request	on request
	green 1650	1 250/ 2 100 mm	on request	on request

makrolon® multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

NOTES

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon® multi UV

I Line
Innovative

MAKROLON® MULTI UV 7/16

Makrolon® multi UV 7/16 is a 7-wall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The 7-wall structure offers excellent thermal insulation, very good cold bending properties and a very high structural stiffness in combination with a low weight.

DESCRIPTION

Makrolon® multi UV 7/16-14

Thickness:	16 mm	
Rib distance:	14 mm	
Weight:	2,6 kg/m²	
Light transmission:	clear 1099:	55%
	white 1146:	45%
	IQ-Relax:	38%

SPECIAL TYPES

Makrolon® multi UV 7/16-14 IQ-Relax

STANDARD RANGE

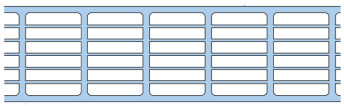
Product		Width	Length	Sheets per pallet
Makrolon multi UV 7/16-14	**clear 1099**	980 mm	6 000/ 7 000 mm	30
		2 100 mm	6 000/ 7 000 mm	30
	white 1146	980 mm	6 000/ 7 000 mm	30
		1 200 mm	7 000 mm	30
		2 100 mm	7 000 mm	30
	white 1140 IQ-Relax	980 mm	6 000/ 7 000 mm	30
		1 200 mm	6 000/ 7 000 mm	30
		2 100 mm	6 000/ 7 000 mm	30

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7/16-14	**white 1146**	1 200 mm	6 000 mm	30
		2 100 mm	6 000 mm	30

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7/16-14	**clear 1099**	1 200 mm	on request	on request



Thickness 16 mm

makrolon®
multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line
Innovative

MAKROLON® MULTI UV 7/20

Makrolon® multi UV 7/20 is a 7-wall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The 7-wall structure offers excellent thermal insulation, very good cold bending properties and a very high structural stiffness in combination with a low weight.

DESCRIPTION

Makrolon® multi UV 7/20-14

Thickness:	20 mm	
Rib distance:	14 mm	
Weight:	2,85 kg/m²	
Light transmission:	clear 1099:	55%
	white 1146:	44%
	IQ-Relax:	38%

SPECIAL TYPES

Makrolon® multi UV 7/20-14 IQ-Relax

STANDARD RANGE

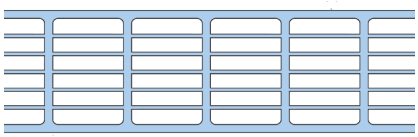
Product		Width	Length	Sheets per pallet
Makrolon multi UV 7/20-14	**clear 1099**	2 100 mm	6 000 mm	25

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7/20-14	**clear 1099**	2 100 mm	7 000 mm	20

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7/20-14	**clear 1099**	980/ 1 200 mm	on request	on request
	white 1146	980/ 1 200/ 2 100 mm	on request	on request
	white 1140 IQ-Relax	980/ 1 200/ 2 100 mm	on request	on request



Thickness 20 mm

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon®
multi UV

MAKROLON® MULTI UV 5X/16

Makrolon® multi UV 5X/16-25 is a 5-wall polycarbonate sheet of 16 mm thickness, with an X-structure for enhanced stiffness. It combines high light transmission, good load bearing properties, good thermal insulation and excellent weather resistance. The sheet is lightweight, impact resistant and easy to install.

PRODUCT DESCRIPTION

Makrolon® multi UV 5X/16-25

Thickness:		16 mm
Rib Distance		25 mm
Weight:		2,4 kg/m²
	BF:	2,25 kg/m²
	ES:	2,7 kg/m²

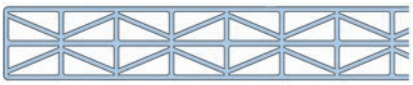
Light Transmission:	clear 1099:	70%
	white 1146: ca.	55%
	IQ-Relax: ca.	47%
	bronze 1845:	26%

SPECIAL TYPES

Makrolon® multi UV 5X/16-25 IQ-Relax
Makrolon® multi UV 5X/16-25 BF (Butterfly)
Makrolon® multi UV 5X/16-25 ES (Extra Strong)
Makrolon® multi UV 5X/16-25 2 side UV

STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 5X/16-25	**clear 1099**	980 mm	3 000 / 7 000 mm	30
		1 200 mm	7 000 mm	30
		2 100 mm	6 000/ 7 000 mm	30
	clear 2099	980 mm	7 000 mm	30
		1 200 mm	6 000/ 7 000 mm	30
		2 100 mm	6 000/ 7 000 mm	30
	white 1146	980 mm	3 000/ 3 500/ 4 000 mm 6 000/ 7 000 mm	30
		2 100 mm	6 000/ 7000 mm	30
	white 2146	1 200 mm	7 000 mm	30
		2 100 mm	6 000/ 7 000 mm	30
	white 1140 IQ-Relax	980 mm	4 000 mm	30
	bronze 1845	2 100 mm	6 000 mm	30
Makrolon multi UV 5X/16-25 BF	**clear 1099**	2 100 mm	6 000 mm	30



Thickness 16 mm

makrolon® multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 5X/16-25	**clear 1099**	980 mm	2 000/ 2 500/ 3 500 mm 4 000/ 4 500/ 5 000/ 6 000 mm	30
		1 200 mm	3 000/ 3 500/ 4 000 mm 4 500/ 5 0007 6 000 mm	30
	clear 2099	980 mm	2 000/ 2 500/ 3 000/ 3 500 mm 4 000/ 4 500/ 5 000/ 6 000 mm	30
		1 200 mm	3 000/ 3 500/ 4 000 mm 4 500/ 5 000 mm	30
	bronze 1845	2 100 mm	7 000 mm	30
	white 1146	980 mm	2 000/ 2 500/ 4 500/ 5 000 mm	30
		1 200 mm	3 000/ 3 500/ 4 000 mm 4 500/ 5 000/ 6 000/ 7 000 mm	30
	white 2146	1 200 mm	3 000/ 4 000/ 4 500 mm 5 000/ 6 000 mm	30
	white 1140 IQ Relax	980 mm	2 000/ 2 500/ 3 000/ 3 500 mm 5 000/ 6 000/ 7 000 mm	30
		1200 mm	3 000/ 3 500/ 4 000/ 4 500 mm 5 000/ 6 000/ 7 000 mm	30
		2 100 mm	6 000/ 7 000 mm	30
Makrolon multi UV 5X/16-25 BF	**clear 1099**	2 100 mm	7 000 mm	30

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 5X/16-25*	**bronze 1845**	980/ 1 200 mm	on request	on request
Makrolon multi UV 5X/16-25 BF*	**clear1099**	980/ 1 200 mm	on request	on request
	clear 2099	980/ 1 200/ 2 100 mm	on request	on request
	white 1146	980/ 1 200/ 2 100 mm	on request	on request
Makrolon multi UV 5X/16-25 ES*	**clear 1099**	980/ 1 200/ 2 100 mm	on request	on request
	clear 2099	980/ 1 200/ 2 100 mm	on request	on request
	white 1146	980/ 1 200/ 2 100 mm	on request	on request
	white 2146	980/ 1 200/ 2 100 mm	on request	on request

*available in different colours

makrolon®
multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

covestro

I Line Innovative

MAKROLON® MULTI UV 5M/ 25

Makrolon® multi UV 5M/25 is a 9-wall, M-structured multi-wall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The sheet offers excellent thermal insulation, extreme structural stiffness in combination with an optimised weight and good load bearing properties.

DESCRIPTION

Makrolon® multi UV 5M/25-20

Thickness:	25 mm	
Rib distance:	20 mm	
Weight:	3,4 kg/m²	
Light transmission:	clear 1099:	49%
	white 1146:	40%
	IQ-Relax:	32%

SPECIAL TYPES

Makrolon® multi UV 5M/25-20 IQ-Relax

STANDARD RANGE

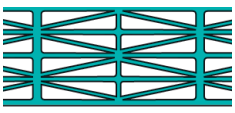
Product		Width	Length	Sheets per pallet
Makrolon multi UV 5M/25-20	**clear 1099**	980 mm	6 000 mm	20
			7 000 mm	20
	clear 1099	1 200 mm	6 000 mm	20
			7 000 mm	20
	clear 1099	2 100 mm	6 000 mm	20
			7 000 mm	20
	white 1146	1 200 mm	6 000 mm	20
			7 000 mm	20
	white1140 IQ-Relax	980 mm	6 000 mm	20
			7 000 mm	20

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 5M/25-20	**white 1146**	980 mm	6 000/ 7 000 mm	20
	white 1140 IQ-Relax	1 200 mm	6 000/ 7 000 mm	20

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 5M/25-20	**clear 1099**	1 230 mm	on request	on request
	white 1146	1 230/ 2 100 mm	on request	on request
	white 1140 IQ-Relax	1 230/ 2 100 mm	on request	on request



Thickness 25 mm

makrolon® multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

MAKROLON® MULTI UV 5M/ 32

Makrolon® multi UV 5M/32 is a 9- wall M-structured sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The sheet offers excellent thermal insulation, extreme structural stiffness in combination with an optimised weight and good load bearing properties.

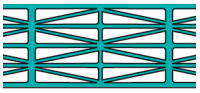
DESCRIPTION

Makrolon® multi UV 5M/32-20

Thickness:	32 mm	
Rib distance:	20 mm	
Weight:	3,7 kg/m²	
Light transmission:	clear 1099:	48%
	white 1146:	38%
	IQ-Relax:	30%

SPECIAL TYPES

Makrolon® multi UV 5M/32-20 IQ-Relax



Thickness 32 mm

STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 5M/32-20	**clear 1099**	1 230 mm	6 000 mm	15
			7 000 mm	15
		2 100 mm	6 000 mm	15
	white 1140 IQ-Relax	980 mm	6 000 mm	20
			7 000 mm	20
		1 230 mm	6 000 mm	15
			7 000 mm	15

SEMI-STANDARD RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 5M/32-20	**clear 1099**	980 mm	6 000/ 7 000 mm	20
		1 230 mm	4 000/ 4 500/ 5 000 mm	15
		2 100 mm	7 000 mm	15
	white 1146	1 230 mm	4 000/ 4 500/ 5 000 mm	15
			6 000/ 7 000 mm	15
	white 1140 IQ-Relax	1 230 mm	4 000/ 4 500/ 5 000 mm	15

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 5M/32-20	**clear 1099**	1 200 mm	on request	on request
	white 1146	980/ 1 200/ 2 100 mm	on request	on request
	white 1140 IQ-Relax	1 200/ 2 100 mm	on request	on request

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon® multi UV

I Line
Innovative

MAKROLON® MULTI UV 7M/ 16

Makrolon® multi UV 7M/16 is a 13-wall, M-structured multi-wall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The sheet offers excellent thermal insulation, extreme structural stiffness in combination with an optimised weight and good load bearing properties.

DESCRIPTION

Makrolon® multi UV 7M/16-28

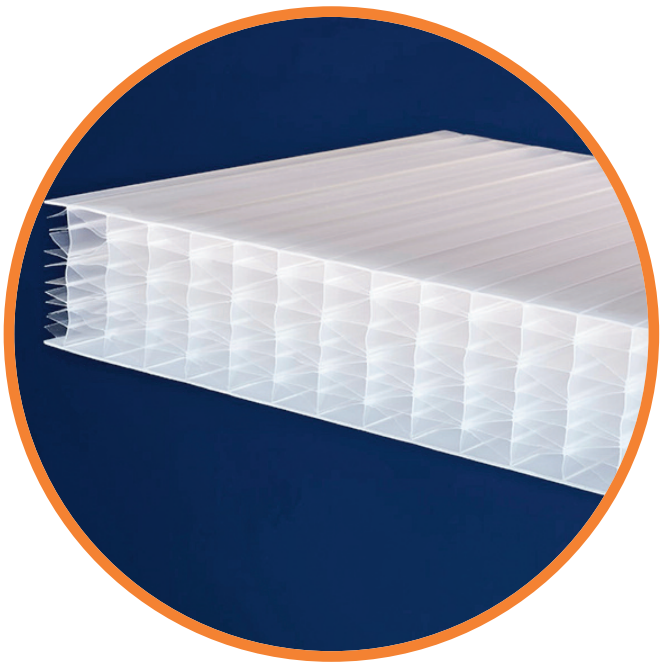
Thickness:	16 mm	
Rib distance:	28 mm	
Weight:	2,7 kg/m²	
Light transmission:	white 1149:	34%
	IQ-Relax:	32%

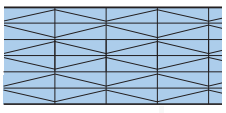
SPECIAL TYPES

Makrolon® multi UV 7M/16-28 white 1151 IQ-Relax

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7M/16-28	**white 1149**	1 200 mm	on request	on request
	white 1151 IQ-Relax	1 200 mm	on request	on request





Thickness 16 mm

makrolon® multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line
Innovative

MAKROLON® MULTI UV 7M/ 20

Makrolon® multi UV 7M/20 is a 13- wall M-structured sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The sheet offers excellent thermal insulation, extreme structural stiffness in combination with an optimised weight and good load bearing properties.

DESCRIPTION

Makrolon® multi UV 7M/20-28

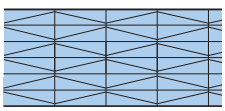
Thickness:	20 mm	
Rib distance:	28 mm	
Weight:	2,9 kg/m²	
Light transmission:	white 1149:	32%
	IQ-Relax:	30%

SPECIAL TYPES

Makrolon® multi UV 7M/20-28 white 1151 IQ-Relax

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7M/20-28	**white 1149**	1 200 mm	on request	on request
	white 1151 IQ-Relax	1 200 mm	on request	on request



Thickness 20 mm

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon® multi UV

I Line
Innovative

MAKROLON® MULTI UV 7M/ 25

Makrolon® multi UV 7M/25 is a 13- wall M-structured sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The sheet offers excellent thermal insulation, extreme structural stiffness in combination with an optimised weight and good load bearing properties.

DESCRIPTION

Makrolon® multi UV 7M/25-28

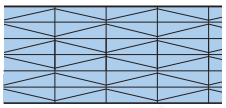
Thickness:	25 mm	
Rib distance:	28 mm	
Weight:	3,3 kg/m²	
Light transmission:	white 1149:	31%
	IQ-Relax:	27%

SPECIAL TYPES

Makrolon® multi UV 7M/25-28 white 1151 IQ-Relax

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7M/25-28	**white 1149**	1 200 mm	on request	on request
	white 1151 IQ-Relax	1 200 mm	on request	on request



Thickness 25

makrolon® multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line
Innovative

covestro

MAKROLON® MULTI UV 7M/ 32

Makrolon® multi UV 7M/32 is a 13- wall M-structured sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The sheet offers excellent thermal insulation, extreme structural stiffness in combination with an optimised weight and good load bearing properties.

DESCRIPTION

Makrolon® multi UV 7M/32-28

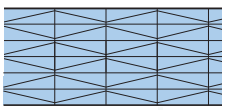
Thickness:	32 mm	
Rib distance:	28 mm	
Weight:	3,6 kg/m²	
Light transmission:	clear 1099:	39%
	white 1149:	30%
	IQ-Relax:	26%

SPECIAL TYPES

Makrolon® multi UV 7M/32-28 white 1151 IQ-Relax

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7M/32-28	**clear 1099**	1 200 mm	on request	on request
	white 1149	1 200 mm	on request	on request
	white 1151 IQ-Relax	1 200 mm	on request	on request



Thickness 32 mm

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon®
multi UV

I Line
Innovative

MAKROLON® MULTI UV 7M/ 40

Makrolon® multi UV 7M/40 is a 13-wall, M-structured multi-wall sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The sheet offers excellent thermal insulation, extreme structural stiffness in combination with an optimised weight and good load bearing properties.

DESCRIPTION

Makrolon® multi UV 7M/40-28

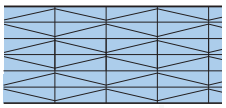
Thickness:	40 mm	
Rib distance:	28 mm	
Weight:	4,1 kg/m²	
Light transmission:	clear 1099	38%
	white 1149:	28%
	IQ-Relax:	22%

SPECIAL TYPES

Makrolon® multi UV 7M/40-28 white 1151 IQ-Relax

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7M/40-28	**clear 1099**	1 200 mm	on request	on request
	white 1149	1 200 mm	on request	on request
	white 1151 IQ-Relax	1 200 mm	on request	on request



Thickness 40 mm

makrolon®
multi UV

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line
Innovative

MAKROLON® MULTI UV 7M/ 50

Makrolon® multi UV 7M/50 is a 13- wall M-structured sheet, extruded with Makrolon® polycarbonate resin and a superior UV-protection on the external side. The sheet offers excellent thermal insulation, extreme structural stiffness in combination with an optimised weight and good load bearing properties.

DESCRIPTION

Makrolon® multi UV 7M/50-28

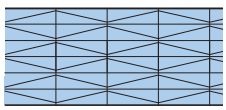
Thickness:	50 mm	
Rib distance:	28 mm	
Weight:	4,5 kg/m²	
Light transmission:	clear 1099:	38%
	white 1149:	28%
	IQ-Relax:	23%

SPECIAL TYPES

Makrolon® multi UV 7M/50-28 white 1151 IQ-Relax

ON REQUEST RANGE

Product		Width	Length	Sheets per pallet
Makrolon multi UV 7M/50-28	**clear 1099**	1 200 mm	on request	on request
	white 1149	1 200 mm	on request	on request
	white 1151 IQ-Relax	1 200 mm	on request	on request



Thickness 50

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon®
multi UV

MAKROLON® GP

Makrolon® GP is a mono-layer polycarbonate sheet, with good transparency, extreme impact resistance, high temperature resistance and good fire behaviour.

DESCRIPTION

Makrolon® GP

Density:	1,20 g/cm³		
Light transmission :	clear	099 :	88%
(at 3 mm)	white	130 :	30%
	white	150 :	50%
Special grades:	NR :	non-reflective	
	FR :	flame-retardant	
	FG :	food grade	

STANDARD & SEMI-STANDARD RANGE*

Product	Size	Unit	0,75	1	1,5	2	3	4	5	6	8	10	12	15
Makrolon® GP clear 099	2 050 x 1 250 mm	bulk	**400**	**300**	**200**	**150**	**100**	**75**	**60**	**50**	**40**	**30**	**25**	o
		carton	50	40	30	20	15	10	8	6	5	4	3	
	3 050 x 2 050 mm	bulk		o	o	**60**	**40**	**30**	**24**	**20**	**15**	**12**	**10**	**8**
		carton		40	30	20	15	10	8	6	5	4	3	3
Makrolon® GP white 130	3 050 x 2 050 mm	bulk				**60**	**40**	o	o	o	o	o	o	
		carton				20	15	10						
Makrolon® GP white 150	3 050 x 2 050 mm	bulk				**60**	**40**	o	o	o	o	o	o	
Makrolon® NR clear 099	3 050 x 2 050 mm	carton		40	o	o	15	o	o					
Makrolon® FR clear 099	3 050 x 2 050 mm	carton				20	15	10	8	o				
Makrolon® FR DX white 139	3 050 x 2 050 mm	carton			o	o	**15**	o						

ON REQUEST RANGE

Product	Available widths	Available thicknesses
Makrolon® FG clear 099	1 250, 2 050 mm	2 -15 mm
Makrolon® NR clear 099	1 250 mm	0.75 - 5 mm

*LEGEND

30	Standard
30	Semi-Standard
o	on request

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

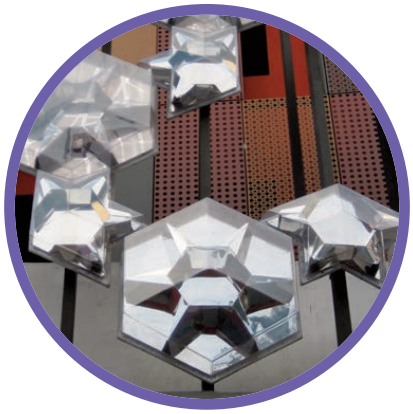
MAKROLON® UV

Makrolon® UV is a mono-layer polycarbonate sheet, with improved UV-protection on both sides. On top of that, it offers good transparency, extreme impact resistance, high temperature resistance and good fire behaviour.

DESCRIPTION

Makrolon® UV

Density:	1,20 g/cm³		
Light transmission :	clear	2099 :	87%
(at 3 mm)	white	2130:	30%
	white	2150 :	50%



STANDARD & SEMI-STANDARD RANGE*

Product	Size	Unit	2	3	4	5	6	8	10	12	15
Makrolon® UV clear 2099	3 050 x 2 050 mm	bulk	**60**	**40**	**30**	**24**	**20**	**15**	**12**	**10**	**8**
		carton	20	15	10	8	6	5	4	3	3
	6 110 x 2 050 mm	bulk	30	**20**	**15**	**12**	**10**	o	o	o	o
Makrolon® UV white 2130	3 050 x 2 050 mm	bulk	o	**40**	**30**	**24**	o	o	o	o	
Makrolon® UV white 2150	3 050 x 2 050 mm	bulk	**60**	**40**	**30**	**24**	o	o	o	o	
		carton	20	15	10	8					
	6 110 x 2 050 mm	bulk	o	**20**	**15**	o	o	o	o	o	
Makrolon® UV bronze 2850	3 050 x 2 050 mm	bulk	o	**40**	**30**	**24**	**20**	**15**	o	o	
		carton	o	15	10	8	6	5			
	6 110 x 2 050 mm	bulk	o	**20**	**15**	**12**	o	o	o	o	
Makrolon® UV grey 2760	3 050 x 2 050 mm	bulk	o	40	30	24	20	o	o	o	

ON REQUEST RANGE

Product	Available widths	Available thicknesses
Makrolon® UV clear 2099	1 250 mm	0,75 mm
Makrolon® UV clear 2099	1 250, 2 050 mm	1/ 1.5 mm

*LEGEND

30	Standard
30	Semi-Standard
o	on request

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line
Innovative

MAKROLON® AR

Makrolon® AR is a mono-layer polycarbonate sheet with improved scratch resistance on both sides. On top of that, it offers improved chemical resistance and weathering resistance, next to good transparency, extreme impact resistance, high temperature resistance and good fire behaviour.

DESCRIPTION

Makrolon® AR

Density:	1,20 g/cm³		
Light transmission :	clear	8099 :	88%
(at 3 mm)	bronze	8850 :	50%

STANDARD & SEMI-STANDARD RANGE*

Product	Size	Unit	1,5	2	3	4	5	6	8	10	12	15
Makrolon® AR clear 8099	3 000 x 2 000 mm	carton	o	20	**15**	**10**	**8**	**6**	**5**	**4**	**3**	3
Makrolon® AR bronze 8850	3 000 x 2 000 mm	carton			15	10	8	6	5	4	o	
Makrolon® AR clear 7099	3 000 x 2 000 mm	carton	o	20	**15**	**10**	8	6	o	o	o	

*LEGEND

30	Standard
30	Semi-Standard
o	on request

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

MAKROLON® UV PATTERNED

Makrolon® UV patterned sheet is a mono-layer polycarbonate sheet, with improved UV-protection on both sides and a special pattern on the surface(s). On top of that, it offers good translucency, extreme impact resistance, high temperature resistance and good fire behaviour.

DESCRIPTION

Makrolon® UV patterned

Density:	1,20 g/cm³		
Light transmission :	clear	2099 :	86%
(at 3 mm)	bronze	2850 :	50%
	blue	2550 :	61%
	green	2650 :	77%
Patterns:	RH :	raindrop/haircell	
	P :	pearl/smooth	
	GX :	fine ripples/ prism	

STANDARD & SEMI-STANDARD RANGE*

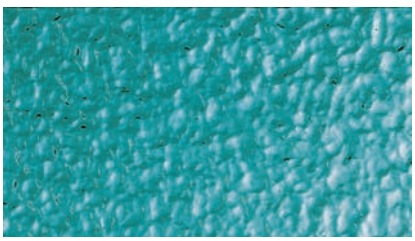
Product	Size	Unit	3	4	5	6
Makrolon®UV clear 2099 RH	3 050 x 2 050 mm	carton	**15**	**10**	**8**	**6**

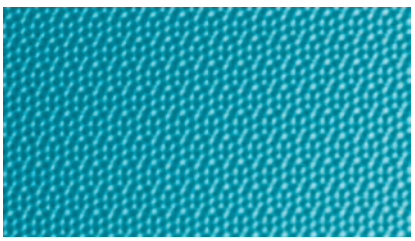
ON REQUEST RANGE

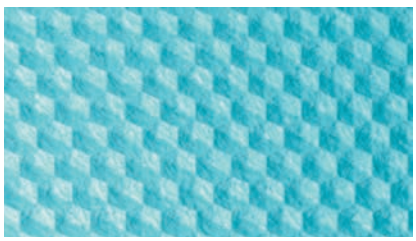
Product	Available widths	Available thicknesses
Makrolon® UV clear 2099 P	1 650 mm	3 - 6 mm
Makrolon® UV clear 2099 GX	1 650 mm	3 - 6 mm
Makrolon® UV bronze 2850 RH	2 050 mm	3 - 6 mm
Makrolon® UV blue 2550 RH	2 050 mm	3 - 6 mm
Makrolon® UV green 2650 RH	2 050 mm	3 - 6 mm

*LEGEND

30	Standard
30	Semi-Standard
°	on request


RH pattern


P pattern


GX pattern

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line
Innovative

MAKROLON® UV CLIMATE CONTROL

Makrolon® UV ClimateControl are transparent polycarbonate sheets with a protective UV-coating on both sides. The sheets substantially reduce high temperatures caused by sunlight as they block out the majority of infrared light.

DESCRIPTION

Makrolon® UV CC

Thickness:		1,20 g/cm³	
Light transmission :	blue	2555 :	55%
(at 3 mm)	green	2655 :	55%
	bronze	2855 :	55%
	grey	2755 :	55%
	clear	2080 :	80%

ON REQUEST RANGE

Product	Available widths	Available thicknesses
Makrolon® UV CC blue 2555	1 250 mm, 2050 mm	2 -12 mm
Makrolon® UV CC green 2655	1 250 mm, 2050 mm	2 -12 mm
Makrolon® UV CC bronze 2855	1 250 mm, 2050 mm	2 -12 mm
Makrolon® UV CC grey 2755	1 250 mm, 2050 mm	2 -12 mm
Makrolon® UV CC clear 2080	1 250 mm, 2050 mm	2 -12 mm

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line
Innovative

MAKROLON® TITAN

Solid Makrolon® Titan sheets are clear, polished polycarbonate sheets. They offer extreme impact strength that exceeds the physical properties of other products of their class. Typical applications for Makrolon® Titan sheets include machine guards. C3 Classification according to DIN EN ISO 23125 (International harmonization of DIN EN 12415)

DESCRIPTION

Makrolon® Titan

Density:	1,20 g/cm³		
Light transmission:			
Sheet Thickness 18 mm	clear	099:	79%
Sheet Thickness 20 mm	clear	099 :	76%

STANDARD RANGE

Product	Size	Unit	18	20
Makrolon® Titan	3 050 x 2 050 mm	carton	**2**	**2**
	3 050 x 2 050 mm	bulk	**6**	**6**

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon®

I Line
Innovative

MAKROLON® VISTA QX

Makrolon® Vista has an improved optical quality, with minimal inclusions and high surface quality, backed up by an on-line inspection system. Makrolon® Vista QX90 and QX200 have on top improved diopter values. Makrolon® Vista QX7 and QX90 are suitable for applications which will be hard coated afterwards. Makrolon® Vista QX10 and QX 200 have a further enhanced surface quality, for high level applications.

.

DESCRIPTION

Makrolon® Vista QX

Density:	1,20 g/cm³	
Colour:	clear 099	
Light transmission: (3 mm)	clear 099 :	88%

ON REQUEST RANGE

Product	Available widths	Available thicknesses
Makrolon® Vista QX7 clear 099	2 050 mm	3 - 12 mm
Makrolon® Vista QX10 clear 099	2 050 mm	3 - 8 mm
Makrolon® Vista QX90 clear 099	2 050 mm	3 - 12 mm
Makrolon® Vista QX200 clear 099	2 050 mm	3 - 8 mm

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line
Innovative

covestro

MAKROLON® UV ADLIGHT

Solid Makrolon® UV AdLight sheets are polycarbonate diffusor sheets for backlit signage applications. Makrolon® UV AdLight combines high light diffusing properties with good light transmission, as required in state-of-the-art sign projects based on LED technology.

DESCRIPTION

Makrolon® UV AdLight

Density:	1,20 g/cm³
Light transmission: (3 mm)	59%

STANDARD & SEMI-STANDARD RANGE*

Product	Size	Unit	2	3	4	5
Makrolon® UV AdLight	3050 x 2050 mm	bulk	60	40	30	
	3050 x 2050 mm	carton		15	10	8

*LEGEND

30	Standard
30	Semi-Standard
o	on request

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon®

MAKROLON® COLORLINE

Whatever you're planning, ColorLine will make your colour dreams come true. With the solid transparent sheets by Covestro, 20 new colours are immediately available as standard with a 250 kg minimum order depending on the thickness of the sheet (2-8 mm). Other shades can be provided on request.

DESCRIPTION

Makrolon® ColorLine

Density:	1,20 g/cm³

For further detailed information please ask your Sales contact.

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line
Innovative

covestro

MAKROLON® WELDING SHIELD WS

Makrolon® WS sheets are tinted polycarbonate sheets which comply with requirements for transparent screens in arc welding processes. They protect against the hazardous radiation emitted during arc welding processes and meet the requirements on light transmission, UV-stability and fire resistance specified in EN ISO 25980: 2014.

DESCRIPTION

Makrolon® Welding Shield
Density: 1,20 g/cm³

STANDARD RANGE

Product	Size	Unit	3	4
Makrolon® WS green 658	3 050 x 2 050 mm	carton	**15**	**10**
Makrolon® WS green 661	3 050 x 2 050 mm	carton	**15**	**10**
Makrolon® WS green 663	3 050 x 2 050 mm	carton	**15**	**10**
Makrolon® WS red 333	3 050 x 2 050 mm	carton	**15**	**10**
Makrolon® WS bronze 888	3 050 x 2 050 mm	carton	**15**	**10**

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon®

RPC BLACK

RPC black is a mono-layer polycarbonate sheet, made from 100% recycled polycarbonate resin. It offers extreme impact resistance, high temperature resistance and good fire behaviour.

DESCRIPTION

RPC black 900

Density:	1,20 g/cm³
Colour:	black 900 <1% (opaque)
Patterns:	G: ripples / smooth
	C: fine ripples / smooth

ON REQUEST RANGE

Product	Available widths	Available thicknesses
RPC black 900	max. 2050 mm	1,5 - 12 mm
RPC black 900 G	max. 1650 mm	2 - 6 mm
RPC black 900 C	max. 1250 mm	1 - 8 mm

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

NOTES

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

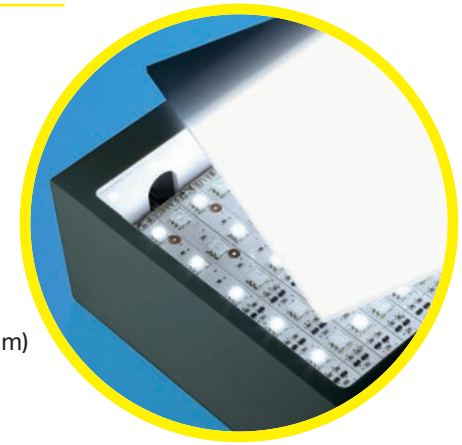
I Line
Innovative

MAKROLON® DX

Makrolon® DX sheets are polished polycarbonate diffuser sheets. Makrolon® DX is developed for applications based on LED light sources, which do not emit UV light. It offers a combination of high light transmission and light diffusion as well as an extreme impact strength which exceeds the physical properties of other thermoplastics.

DESCRIPTION

Makrolon® DX warm		
Density:	1,20 g/cm³	
Light transmission:	1,5 mm sheet thickness	white 141: 76%
	3,0 mm sheet thickness	white 141: 72%
Makrolon® DX cool		
Density:	1,20 g/cm³	
Light transmission:	1,5 mm sheet thickness	white 139: 65%
	3,0 mm sheet thickness	white 139: 64%
Special grades	DX-NR (warm/cool) :	one side matt finish
	FR DX (cool):	flame retardant (LT 53%, 3mm)
	DX-UV (warm/cool):	one side UV-protection
	DX-AR (warm/cool):	abrasion-resistant



STANDARD & SEMI-STANDARD RANGE

Product		Size	Unit	1.5	3
Makrolon DX warm	white 141	2 050 x 1 250 mm	carton	30	15
Makrolon DX cool	white 139	2 050 x 1 250 mm	carton	**30**	**15**
Makrolon DX-UV warm	white 1141	2 050 x 1 250 mm	carton	30	15
Makrolon DX-UV cool	white 1139	2 050 x 1 250 mm	carton	**30**	**15**
Makrolon DX-NR warm	white N141	2 050 x 1 250 mm	carton	30	15
Makrolon DX-NR cool	white N139	2 050 x 1 250 mm	carton	**30**	**15**
Makrolon FR-DX cool	white 139	3 050 x 2 050 mm	carton	°	**15**

ON REQUEST

Product	Available widths	Available thicknesses
Makrolon DX (warm/cool)	1 250/ 2 050 mm	1.5 - 6 mm
Makrolon DX-UV (warm/cool)	1 250/ 2 050 mm	1.5 - 6 mm
Makrolon DX-NR (warm/cool)	1 250/ 2 050 mm	1.5 - 5 mm
Makrolon DX-AR (cool)	1 250/ 2 050 mm	1.5 - 6 mm
Makrolon FR-DX (cool)	2 050 mm	1.5 - 4 mm

30	Standard
30	Semi-Standard
°	On Request

makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

I Line Innovative

covestro

MAKROLON® RX

Solid Makrolon® RX sheets are highly reflective opaque solid polycarbonate sheets and developed for applications based on LED light sources. Makrolon® RX line offers extremely high diffuse light reflectance, high opacity, mechanical properties as well as superior thermal and fire resistance.

DESCRIPTION

Makrolon® RX
Density: 1,34 g/cm³
Light reflectance: 96%

Makrolon® RX-UV
Density: 1,34 g/cm³
Light reflectance: 96%
Special grade: UV-protection on both sides

STANDARD & SEMI-STANDARD RANGE

Product		Sizes	Unit	1	1.5	2	3	4
Makrolon RX	white 144	2 050 x 1 250 mm	carton	**40**	o	o	o	o

ON REQUEST

Product		Available widths	Available thicknesses
Makrolon RX	white 144	1 250 mm	1.5- 4 mm

30	Standard
30	Semi-Standard
o	On Request

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon®

I Line
Innovative

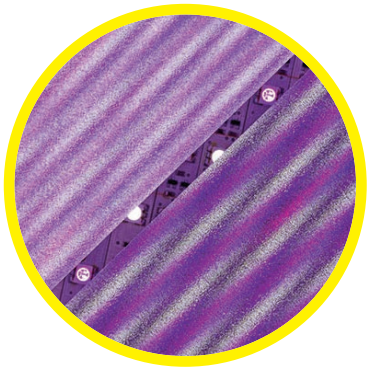
MAKROLON® SX

Makrolon® SX sheets are ligth shaping and de-glaring sheets. The microprismatic sheets offer excellent optical efficiency thanks to special polycarbonate grades and the microlense surface pattern with 124,8lpi. If placed parallel or perpendicular to LED lines (strips), they provide light diffusion in lenticular (linear) direction in a very efficient way, also in very thin fixture profiles. In other positions, they shape the light in dynamic forms.
The linear micro-prism structure runs in the length along the extrusion direction. The light ray is rendered perpendicular to the lenticular micro-prism.

DESCRIPTION

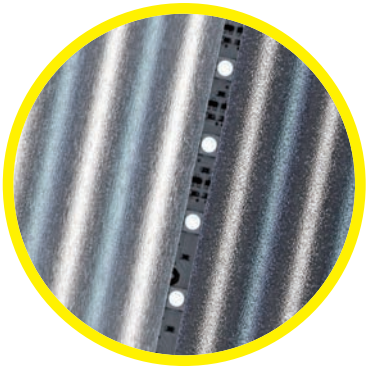
Makrolon® SX

Density:	1,20 g/cm³	
Light transmission:	1,35 mm sheet thickness	
	single layer:	90%
	single reversed	50%
	double layer	75%



STANDARD RANGE

Product		Dimensions	Unit	1.35 mm
Makrolon SX	UV clear 1099	750 x 1 280 mm	carton	30



makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

MAKROLON® SX SHARP

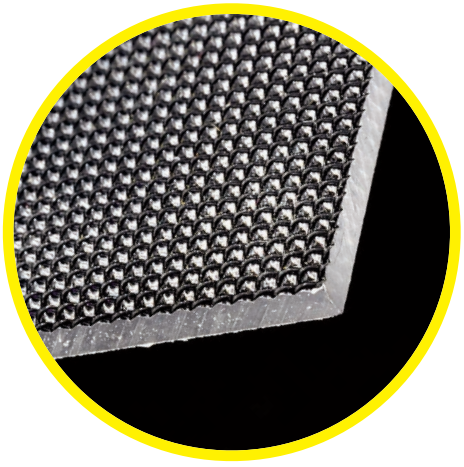
Solid Makrolon® SX Sharp sheets are clear polycarbonate sheets with a microstructure* optic on one side and gloss surface on the other. It is specifically designed for glare control function in lighting . Makrolon® SX Sharp features a combination of high light transmission and light shaping. Due to the mico-lenses it provides effective de-glaring to obtain very low UGR values in lighting applications. Makrolon® SX Sharp gives an even light intensity distribution (= low peak intensity). This peak shielding gives a significant improved comfort. When looking into the luminaire, it gives a softer effect and prevents blinding. Makrolon® SX Sharp comes without UV-protection and is therefore the perfect choice for indoor lighting solutions

PRODUCT DESCRIPTION

Makrolon® SX Sharp
Density: 1,20 g/cm³
Light transmission τ_{D65}: 3 mm sheet thickness
clear 099 S: 90%

STANDARD RANGE

Product		Size	Unit	3 mm
Makrolon SX Sharp	clear 099 S	3 050 x 1 650 mm	carton	15
			bulk	45



*) patent pending

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

makrolon®

I Line
Innovative

MAKROLON® DX SKY

Makrolon® DX Sky are colourless, transparent refractor (diffuser) sheets with a microstructure. They are designed for enhanced light control of LED-based luminaires and have been developed to distribute the light uniformly with a light intensity distribution curve, which is best suited for most common lighting luminaire applications. Even for for smaller light sources like LEDs, a homogenous light emitting area can be obtained, with fair glare control.

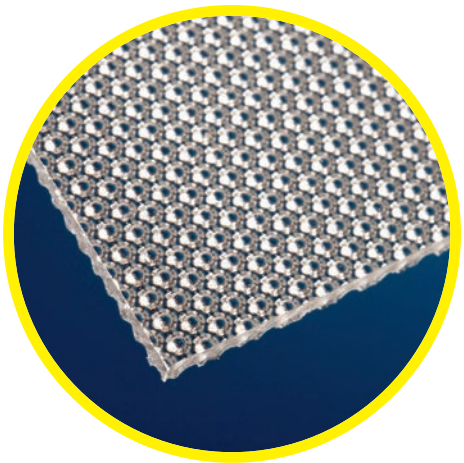
PRODUCT DESCRIPTION

Makrolon® DX Sky

Density:	1,20 g/cm³		
Luminous transmittance T_A for standard illuminant A:		1.5 mm sheet thickness	clear 099: 90%
Luminous transmittance T_{D65} for standard illuminant D65:		1.5 mm sheet thickness	clear 099: 90%

STANDARD RANGE

Product		Size	Unit	1.5 mm
Makrolon DX Sky	clear 099	3 050 x 1 560 mm	carton	30
		3 050 x 1 560 mm	bulk	120



makrolon®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

NOTES

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

covestro

VIVAK®

Vivak® is a mono-layer copolyester sheet, which offers nice transparency, high impact resistance, good fire behaviour and excellent thermoforming properties.
Vivak® UV has improved UV-protection on both sides.

DESCRIPTION

VIVAK®

Density:	1,27 g/cm³	
Light transmission:	clear 099:	88%
(at 3 mm)	bronze 850:	60%

VIVAK® UV

Density:	1,27 g/cm³	
Light transmission:	clear 2099:	88%
(at 3 mm)	white 2130:	30%
	grey 2760:	35% (at 5 mm)
	bronze 2850:	45% (at 5 mm)

STANDARD & SEMI-STANDARD RANGE*

Product	Size	Unit	0,5	0,75	1	1,5	2	3	4	5	6	8	10	12	15
Vivak clear 099	2 050 x 1 250 mm	bulk	**500**	**400**	**300**	**200**	**150**	**100**	**75**	**60**	50	40	30	o	o
		carton	80	50	40	30	20	15	10	8					
	3 050 x 2 050 mm	bulk			**120**	**80**	**60**	**40**	**30**	**24**	**20**	**15**	**12**	10	o
		carton			40	30	20	15	10	8	6				
Vivak UV clear 2099	3 050 x 2 050 mm	bulk			o	o	**60**	**40**	**30**	**24**	o	o	o	o	
Vivak UV white 2130	3 050 x 2 050 mm	bulk					o	**40**	**30**	o	o	o	o	o	

ON REQUEST RANGE

Product	Available widths	Available thicknesses
Vivak bronze 850	1250, 2050 mm	2 - 12 mm
Vivak UV clear 2099	1250 mm	2 - 12 mm
Vivak UV grey 2760	1250, 2050 mm	2 - 12 mm
Vivak UV bronze 2850	1250, 2050 mm	2 - 12 mm

*LEGEND

30	**standard**
30	semi-standard
o	on request

vivak®

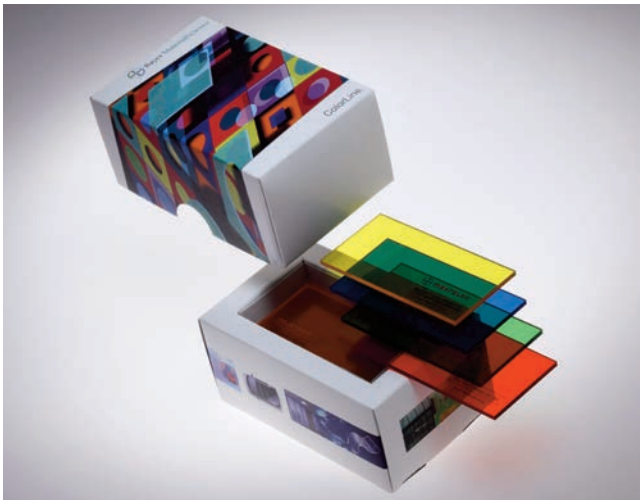
The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

VIVAK® COLOR LINE

Whatever you're planning, Vivak® ColorLine will make your colour dreams come true. With the solid transparent sheets by Bayer MaterialScience, 20 new colours are available as standard with a 250 kg minimum order depending on the thickness of the sheet (2-8 mm). Other shades can be provided on request.

DESCRIPTION

VIVAK® ColorLine
Density: 1,27 g/cm²



The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

AXPET®

Axpet® is a mono-layer polyester sheet, which offers nice transparency, good impact resistance and excellent fire behaviour. Axpet® UV has an improved UV-protection on both sides.

DESCRIPTION

AXPET®

Density:	1,33 g/cm³	
Light transmission:	clear 099:	87%
(at 3 mm)	white 130:	28%
	white 100:	<1%
Special grades:	NR: non-reflective	

AXPET® UV

Density:	1,33 g/cm³	
Light transmission:	clear 2099:	87%
(at 3 mm)		

STANDARD & SEMI-STANDARD PROGRAMM*

Product	Size	Unit	0,8	1	1,5	2	3	4	5
Axpet clear 099	2 050 x 1 250 mm	bulk	**375**	**300**	**200**	**150**	**100**	75	o
		carton	50	40	30	20	15	10	
	3 050 x 2 050 mm	bulk	**150**	**120**	**80**	**60**	**40**	**30**	**24**
		carton	50	40	30	20	15	10	8
Axpet NR clear 099	2 050 x 1 250 mm	bulk	**375**	**300**	**200**	**150**			
		carton	50	40	30	20			
	3 050 x 2 050 mm	bulk		120					
Axpet white 130	2 050 x 1 250 mm	bulk		300	200	150	o	o	
	3 050 x 2 050 mm	bulk		**120**	**80**	**60**	o	o	

ON REQUEST RANGE

Product	Available widths	Available thicknesses
Axpet UV clear 2099	1 250, 2 050 mm	2 - 5 mm
Axpet white 100	2 050 mm	1 - 2 mm

*LEGEND

30	**standard**
30	semi-standard
o	on request

axpet®

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

Covestro Deutschland AG
Business Unit Polycarbonates
51365 Leverkusen
Germany

sales.sheetsEMEA@covestro.com
www.sheets.covestro.com