



**Makrolon® solid sheet**  
More than just material.

**makrolon®**







# Exolon Group. Inspired brilliance.



## **A successful product doesn't just happen.**

The Exolon Group bundles many years of experience, expertise and know-how in the development, production and marketing of high-quality polycarbonate sheets.

The Makrolon® brand provides our customers with environmentally-friendly, intelligent, sustainable sheet material solutions of the highest quality standard in accordance with EN ISO 9001. We make not only Makrolon® transparent, translucent solid polycarbonate and multi-wall sheets but also Axpert® polyester sheets, Vivak® co-polyester sheets and Bayloy® and Bayblend® opaque sheet material.

Special diffuser sheets for LEDs and our Silent-Sound solid sheets for use in soundproof walls as well as other specialities round off our product range. Just ask us about these products. A professional service and ongoing response to customer requirements in a demanding market make Exolon a reliable partner for trade and industry. Whether it is for mechatronics, architecture, exhibitions or shop fitting, Makrolon® supplies plastic sheets for an infinite number of applications.

[Follow the trail of an extraordinary plastic material.](#)

# Makrolon®

## When exhibitions take shape.



Shanghai Expo 2010, German pavilion,  
„Floating flakes“, three-dimensionally distorted  
solid sheets, photo: © Ausstellung Milla & Partner,  
Architecture Schmidhuber + Kaindl

### **When plain material goes beyond the ordinary.**

Makrolon® – Exolon's success story revolves around a comprehensive range of first-class polycarbonate sheets made into high-tech quality solid sheets. Makrolon® combines attractive product features that turn imagination into reality – plastic molecules in their true element.

[Be amazed at new product ideas.](#)



### Convincing benefits:

- highly impact-resistant
- extremely temperature-resistant
- clearly transparent
- weather-resistant
- abrasion-resistant
- UV-resistant

### Makrolon® – An overview of solid sheets. Just see what's possible.

Product	Type	Colour	Properties	Thickness in mm
Makrolon® GP	099	clear transparent	standard type	0,75 - 15
	130 / 150	white translucent		
	775	umbra transparent		
Makrolon® NR	099	clear transparent	non-reflective	1 - 4
Makrolon® Vista QX10	099	clear transparent	optical quality	3 - 12
Makrolon® FC	099	clear transparent	malleable, abrasion-resistant	3 - 8
Makrolon® Titan	099	clear transparent	extremely impact-resistant	18 / 20
Makrolon® AR	8099	clear transparent	abrasion-resistant UV-resistant	3 - 12
	8850	bronze transparent		
Makrolon® UV	2099	clear transparent	UV-resistant 10-year guarantee	2 - 15
	2130 / 2150	white translucent		
	2850	bronze transparent		
	2760	grey transparent		
Makrolon® FR	099	clear transparent	UL94 V0	2 - 12
Makrolon® CC**	2555	blue transparent	less heat transference	2 - 12
	2655	green transparent		
	2755	grey transparent		
	2855	bronze transparent		
Makrolon® SilentSound**	2099	clear transparent	UV-resistant sound-absorbent abrasion-resistant/ UV-resistant	8 - 20
	8099 AR	clear transparent		
Makrolon® DX**	141 warm / 139 cool	white diffuse	LED lighting	1,5 / 3
Makrolon® RX**	144 RX / 147 RX-FR	white opaque	LED lighting	1-4

All sheets are available in your favourite colours depending on the quantity ordered.

\*\* Products have separate documentation. Please ask.



Makrolon® sheets are extremely transparent and are available in a textured version. They also comply with fire protection classifications\*. They are exceptionally easy to work and can be drilled, sawn, milled and hot shaped.

\* Depending on thickness, colour and applications, Makrolon sheets have good fire performance in accordance with national fire regulations in many countries.

\*\* Polycarbonate sheets may change their fire behaviour due to ageing and weathering.



Makrolon®  
When safety and aesthetics  
work together.





Makrolon® GP – universal  
 Makrolon® NR – non-reflective  
 Makrolon® Vista – brilliant  
 Makrolon® FC – formable



## The solid sheet material for clear-cut requirements.

Makrolon® meets the highest requirements in every respect. Whatever the application you have set your mind on, Makrolon® impresses with its transparent material composition and high optical quality. Whether you want something out of this world or are content to keep your feet firmly on the ground, Makrolon® gives you the crystal clarity you need. Makrolon® complies with the most demanding requirements whether it calls for an all round cockpit view, a rear window or panoramic window or whether it's for a basic safety application in fields such as sport and security.

With white goods, the clear, simple high-tech material ensures a flawless visual appearance, and is the first choice for transparent fascia panels on washing machines, dishwashers, cookers, refrigerators and freezers.

*The obvious choice if you want luminosity.*





Makrolon® SilentSound



Photo: DECKEL MAHO  
Pfronten GmbH



Makrolon® Titan – unbeatable  
Makrolon® AR – abrasion-resistant

# Makrolon®

## When top industrial performance is required.



### For maximum safety with unbeatable advantages.

There is no resistance: even under the toughest conditions Makrolon® demonstrates proven strength and longevity, particularly in industrial production. The toughest Makrolon® solid sheet is the Titan which meets the most rigorous requirements. With its declared C3 classification (DIN EN ISO 23125\*) the high-tech sheet has repeatedly demonstrated its extra shatterproof and scratch-resistant qualities.

In mechatronics Makrolon® is proven for a wide range of tasks. Whether as a full enclosure, cover or inspection window, the high-performance plastic for innovative technology is perfect for customised modern engineering solutions because it is so easy to work.

Indispensable when a high level of technological convenience is required.

\* International harmonisation of DIN EN 12415



Deep-drawn Makrolon® UV solid sheet





Makrolon® UV – weather-resistant  
Makrolon® FR – fire-resistant

# Makrolon®

Because beauty is always perfectly shaped.



## For lovely moments.

Because of its diverse product features, Makrolon® opens all the right doors for architects, exhibition constructors and designers. The high-tech sheet offers inexhaustible potential in design options for room settings, exhibitions, shop fitting, illuminations or visual communication solutions.

Makrolon® is a fantastic drawing board for creative ideas, whether as a projection surface for events and exhibitions, as a translucent roof, interior conversions, light design or as a display. Be inspired by its striking range of uses.

Indispensable when aesthetics  
are uppermost in your mind.



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