

Inspria® GP rECOplus

Solid HT-copolyester sheet with circular content



Your benefits:

- contains 25% post-consumer recycled content
- suitable for food-contact/ chocolate mould applications
- high temperature resistance
- extreme impact strength

Solid **Inspria® GP rECOplus2** sheets are made of Eastman Tritan™ copolyester and contain 25% of post-consumer recycled content. The solid sheets are clear transparent and combine high impact strength with excellent thermoforming properties.

Inspria® GP rECOplus2 is a clear transparent sheet with extremely high light transmission and high gloss.

Inspria® GP rECOplus2 is a circular grade which contains 25% of post-consumer recycled content. The share of post-consumer content is attributed via mass balance according to ISCC PLUS Standard. The sheets have the same high quality, both optical and mechanical, as Inspria GP® sheets made from virgin material.

Applications:

Inspria® GP rECOplus2 can be used for food contact applications, specially for chocolate moulds.

Inspria® GP rECOplus2 can be thermoformed to extreme degrees of stretching and accurate mold surface reproduction. The sheets can withstand temperatures up to 90°C and are easy to machine.

	Test Conditions	Typical values ⁽¹⁾	Unit	Standard
PHYSICAL Density Moisture absorption	24 h immersion 23°C	1.19 0.5	g/cm ³ %	ISO 1183-1 ISO 62
MECHANICAL Tensile stress at yield Tensile strength Elongation at yield Elongation at break Tensile modulus Flexural modulus Impact strength	Izod notched 23 °C	43 58 7 185 1,548 1,495 93	MPa MPa % % MPa MPa kJ/m ²	ISO 527 ISO 527 ISO 527 ISO 527 ISO 527 ISO 178 ISO 180/1A
THERMAL Coeff. of linear thermal expansion		0.09	mm/m K	ASTM D696

(1) These values are measured on injection moulded samples and are not intended for specification purposes

EASTMAN

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Exolon Group ECORANGE represents a line of products which attribute to improved sustainability by having a lower ecological footprint.

Light Transmission:

Test method according to DIN EN ISO 13468. The stated thicknesses are not all available as standard. Please ask us for more information. The stated values are typical values only.

Light transmission in %	0.6	0.75	1	1.5	2	3	4	5	6	8
Inspria® GP rECOplus2 clear 099	90	90	90	90	90	89	89	89	88	87

Available sizes:

Inspria® GP rECOplus2 clear 099 is available on request in thicknesses of 0.60 - 8 mm.

Our standard sizes are the dimensions: 2,050 x 1,250 mm and 3,050 x 2,050 mm.

Thermoforming:

Inspria® GP rECOplus2 sheets can be thermoformed at temperatures between 150 and 175°C. The sheets show excellent flow and mold surface reproduction.

Permanent Service Temperature

The maximum permanent service temperature without load is 90°C

Food compatibility

Inspria® GP rECOplus2 clear 099 can be used for food-contact applications

Sustainability

The Exolon Group is committed to sustainability and protecting the environment, and actively supports and promotes developments which reduce the environmental impact of its products. **Inspria® GP rECOplus** is a sheet with circular post-consumer waste content of 25%, monitored via ISCC PLUS.



Exolon Group also produces multiwall sheets in polycarbonate (Exolon® multi UV), and solid sheets in polycarbonate (Exolon® GP) and in polyester (Vivak®, Curvalite® and Axpert®). For more information, take a look at www.exolongroup.com.



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