

Product data sheet, April 2025

Inspria® GP

Solid HT-copolyester sheet



Your benefits:

- extreme impact strength
- suitable for food-contact applications
- high temperature resistance
- high clarity

Solid **Inspria® GP** sheets are made of Eastman Tritan™ copolyester. They are clear transparent and combine high impact strength with excellent thermoforming properties.

Inspria® GP clear 099 is a clear transparent sheet with extremely high light transmission and high gloss. I

Applications:

Ideal fields of application for **Inspria® GP** are: chocolate moulds, food containers and trays, flat and formed machine coverings, refrigerator doors

Inspria® GP 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		1.19	g/cm ³	ISO 1183-1
Moisture absorption	24 h immersion 23°C	0.5	%	ISO 62
MECHANICAL				
Tensile stress at yield		43	MPa	ISO 527
Tensile strength		58	MPa	ISO 527
Elongation at yield		7	%	ISO 527
Elongation at break		185	%	ISO 527
Tensile modulus		1,548	MPa	ISO 527
Flexural modulus		1,495	MPa	ISO 178
Impact strength	Izod notched 23 °C	93	kJ/m ²	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

Inspria® GP is made of
Eastman Tritan™

Inspria® GP

Solid HT-copolyester sheet



Ideas, innovative, intelligent, interesting... Exolon Group i-line represents the next generation of quality products. This seal guarantees innovative and intelligent first-class solutions at all times for a multitude of requirements.

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
Inspria® GP clear 099	90	90	90	90	90	89	89	89

Available sizes:

Inspria® GP clear 099 is available on request in thicknesses of 0.60 - 5 mm.

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

Thermoforming:

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

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



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