

# 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 <sup>(1)</sup>                | Unit                                                    | Standard                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------|
| <b>PHYSICAL</b><br>Density<br>Moisture absorption                                                                                                                        | 24 h immersion 23°C | 1.19<br>0.5                                  | g/cm <sup>3</sup><br>%                                  | ISO 1183-1<br>ISO 62                                                         |
| <b>MECHANICAL</b><br>Tensile stress at yield<br>Tensile strength<br>Elongation at yield<br>Elongation at break<br>Tensile modulus<br>Flexural modulus<br>Impact strength | Izod notched 23 °C  | 43<br>58<br>7<br>185<br>1,548<br>1,495<br>93 | MPa<br>MPa<br>%<br>%<br>MPa<br>MPa<br>kJ/m <sup>2</sup> | ISO 527<br>ISO 527<br>ISO 527<br>ISO 527<br>ISO 527<br>ISO 178<br>ISO 180/1A |
| <b>THERMAL</b><br>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 rECOplus is  
made of Eastman Tritan™

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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  | 10 |
|---------------------------------|-----|------|----|-----|----|----|----|----|----|----|----|
| Inspria® GP rECOplus2 clear 099 | 90  | 90   | 90 | 90  | 90 | 89 | 89 | 88 | 88 | 87 | 87 |

### Available sizes:

**Inspria® GP rECOplus2 clear 099** is available on request in thicknesses of 0.60 - 10 mm.

Our standard sizes - depending on the sheet thickness - are the following dimensions:

1,250 x 2,050 mm

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](http://www.exolongroup.com).



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