



**Product Data Sheet &  
General Processing Conditions**

**RTP 1099 X 149329 A  
Polybutylene Terephthalate (PBT)  
Glass Fiber  
Low Density  
Preliminary Datasheet**

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

| <b>PERMANENCE</b>                                |                        | <b>STANDARD</b> |
|--|------------------------|-----------------|
| Primary Additive                                 | 30 %                   |                 |
| Density  | 1.33 g/cm <sup>3</sup> | ISO 1183        |
| <b>MECHANICAL</b>                                |                        |                 |
| Impact Strength, Izod<br>Notched, 4 mm thickness | 7 kJ/m <sup>2</sup>    | ISO 180/1A      |
| Tensile Strength                                 | 115 MPa                | ISO 527         |
| Tensile Elongation                               | 2.0 - 4.0 %            | ISO 527         |
| Tensile Modulus                                  | 9500 MPa               | ISO 527         |
| Flexural Strength                                | 175 MPa                | ISO 178         |
| Flexural Modulus                                 | 9200 MPa               | ISO 178         |

**PROPERTY NOTES**

Data herein is typical and not to be construed as specifications.  
Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

**GENERAL PROCESSING FOR INJECTION MOLDING**

|                    |                |
|--------------------|----------------|
| Injection Pressure | 70 - 105 MPa   |
| Injection Pressure | 680 - 1030 bar |
| Melt Temperature   | 235 - 270 °C   |
| Mold Temperature   | 80 - 105 °C    |
| Drying             | 4 hrs @ 120 °C |
| Moisture Content   | 0.03 %         |
| Dew Point          | -30 °C         |

**PROCESSING NOTES**

Desiccant Type Dryer Required.