



**Product Data Sheet &  
General Processing Conditions**

**RTP 199 X 139099 A  
Polypropylene (PP)  
Glass Fiber  
Chemically Coupled  
Heat Stabilized**

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

<b>PERMANENCE</b>		<b>STANDARD</b>
Primary Additive	30 %	
Density	1.12 g/cm <sup>3</sup>	ISO 1183
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.40 %	ASTM D 955
<b>MECHANICAL</b>		
Impact Strength, Izod		
Notched, 4 mm thickness	14 kJ/m <sup>2</sup>	ISO 180/1A
Unnotched, 4 mm thickness	53 kJ/m <sup>2</sup>	ISO 180/1U
Tensile Strength	85 MPa	ISO 527
Tensile Elongation	3.0 - 5.0 %	ISO 527
Tensile Modulus	6500 MPa	ISO 527
Flexural Strength	140 MPa	ISO 178
Flexural Modulus	6700 MPa	ISO 178
<b>THERMAL</b>		
Heat Deflection Temperature		
@ 1.80 MPa	140 °C	ISO 75
Ignition Resistance*		
Automotive**	≤ 100 mm/mi @ 1.6 mm	ISO 3795

**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.

\* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

\*\* Values per RTP Company testing.

**GENERAL PROCESSING FOR INJECTION MOLDING**

Injection Pressure	70 - 105 MPa
Injection Pressure	680 - 1030 bar
Melt Temperature	190 - 230 °C
Mold Temperature	30 - 65 °C
Drying	2 hrs @ 80 °C