



**Product Data Sheet &  
General Processing Conditions**

**RTP 105 XP  
Polypropylene (PP)  
Glass Fiber  
Chemically Coupled  
Xtra Performance**

**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
Melt Flow Rate @ 230 °C, / 2.16 kg	4.00 - 5.00 g/10 min	ISO 1133
Shrinkage, 4 mm Thickness Flow direction	0.20 - 0.40 %	ASTM D 955

<b>MECHANICAL</b>		
Impact Strength, Izod Notched, 4 mm thickness	16 kJ/m <sup>2</sup>	ISO 180/1A
Unnotched, 4 mm thickness	70 kJ/m <sup>2</sup>	ISO 180/1U
Tensile Strength	100 MPa	ISO 527
Tensile Elongation	2.0 - 4.0 %	ISO 527
Tensile Modulus	7000 MPa	ISO 527
Flexural Strength	150 MPa	ISO 178
Flexural Modulus	6300 MPa	ISO 178

<b>THERMAL</b>		
Heat Deflection Temperature @ 1.80 MPa	148 °C	ISO 75
Ignition Resistance* Flammability**	HB @ 1.5 mm	ISO 1210

**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