



**Product Data Sheet &  
General Processing Conditions**

**RTP 199 X 70836 B  
Polypropylene (PP)  
Long Glass Fiber  
Chemically Coupled**

Melting Temperature (10°C/min), ISO 11357-3: 165°C

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

<b>PERMANENCE</b>		<b>STANDARD</b>
Primary Additive	50 %	
Density	1.33 g/cm <sup>3</sup>	ISO 1183
Shrinkage, 4 mm Thickness		
Flow direction	0.10 - 0.30 %	ASTM D 955
<b>MECHANICAL</b>		
Impact Strength, Charpy		
Notched, 4 mm thickness	23 kJ/m <sup>2</sup>	ISO 179/1eA
Unnotched, 4 mm thickness	75 kJ/m <sup>2</sup>	ISO 179/1eU
Tensile Strength		
5 mm/min	132 MPa	ISO 527
Tensile Elongation	2.0 - 2.5 %	ISO 527
Tensile Modulus		
5 mm/min	11800 MPa	ISO 527
Flexural Strength	205 MPa	ISO 178
Flexural Modulus	11700 MPa	ISO 178
<b>THERMAL</b>		
Heat Deflection Temperature		
@ 1.80 MPa	156 °C	ISO 75
@ 0.45 MPa	160 °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	230 - 260 °C
Mold Temperature	30 - 65 °C
Drying	2 hrs @ 80 °C