



**Product Data Sheet &  
General Processing Conditions**

**RTP 199 X 137038 A  
Polypropylene (PP)  
Glass Fiber  
Chemically Coupled**

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

<b>PERMANENCE</b>		<b>STANDARD</b>
Primary Additive	40 %	
Density	1.21 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	0.10 - 0.30 %	ASTM D 955
<b>MECHANICAL</b>		
Impact Strength, Charpy		
Notched, 4 mm thickness	17 kJ/m <sup>2</sup>	ISO 179/1eA
Unnotched, 4 mm thickness	65 kJ/m <sup>2</sup>	ISO 179/1eU
Tensile Strength	115 MPa	ISO 527
Tensile Elongation	2.0 - 4.0 %	ISO 527
Tensile Modulus	9000 MPa	ISO 527
Flexural Strength	175 MPa	ISO 178
Flexural Modulus	8200 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	190 - 230 °C
Mold Temperature	30 - 65 °C
Drying	2 hrs @ 80 °C