



**Product Data Sheet &  
General Processing Conditions**

**RTP 199 X 118025  
Polypropylene (PP)  
Long Glass Fiber**

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

**PERMANENCE** **STANDARD**

Primary Additive	60 %	
Density	1.46 g/cm <sup>3</sup>	ISO 1183

**MECHANICAL**

Impact Strength, Izod		
Notched, 4 mm thickness	22 kJ/m <sup>2</sup>	ISO 180/1A
Unnotched, 4 mm thickness	70 kJ/m <sup>2</sup>	ISO 180/1U
Tensile Strength	135 MPa	ISO 527
Tensile Elongation	1.0 - 2.0 %	ISO 527
Tensile Modulus	13500 MPa	ISO 527
Flexural Strength	210 MPa	ISO 178
Flexural Modulus	13500 MPa	ISO 178

**THERMAL**

Heat Deflection Temperature		
@ 1.80 MPa	157 °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