



**Product Data Sheet &
General Processing Conditions**

**RTP 199 X 138109 A
Polypropylene (PP)
Glass Fiber
Mineral**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE **STANDARD**

Density	1.23 g/cm ³	ISO 1183
---------	------------------------	----------

MECHANICAL

Impact Strength, Charpy		
Notched, 4 mm thickness	8 kJ/m ²	ISO 179/1eA
Unnotched, 4 mm thickness	34 kJ/m ²	ISO 179/1eU
Tensile Strength	70 MPa	ISO 527
Tensile Elongation	2.0 - 4.0 %	ISO 527
Tensile Modulus	7200 MPa	ISO 527
Flexural Strength	125 MPa	ISO 178
Flexural Modulus	7500 MPa	ISO 178

THERMAL

Heat Deflection Temperature		
@ 1.80 MPa	> 142 °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