



Product Data Sheet & General Processing Conditions

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

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	30 %	
Density	1.12 g/cm ³	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

MECHANICAL

Impact Strength, Izod		
Notched, 4 mm thickness	16 kJ/m ²	ISO 180/1A
Unnotched, 4 mm thickness	70 kJ/m ²	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

THERMAL

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

PROCESSING NOTES

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complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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RTP COMPANY • 580 EAST FRONT STREET • WINONA, MN 55987 • 507-454-6900