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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