

RTP 101 HI

Polypropylene Copolymer

RTP Company

Technical Data

Product Description

Warning: The status of this material is 'Commercial: Limited Issue'

The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.

-Preliminary Product Data per RTP Co.-

General

Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight	
Additive	• Impact Modifier	
Features	• Impact Modified	
RoHS Compliance	• Contact Manufacturer	
Appearance	• Black	• Natural Color
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value Unit	Test Method
Specific Gravity	0.958 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50 %	ASTM D955
Water Absorption (23°C, 24 hr)	0.010 %	ASTM D570

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	3030 MPa	ASTM D638
Tensile Strength	30.3 MPa	ASTM D638
Tensile Elongation (Break)	11 %	ASTM D638
Flexural Modulus	2340 MPa	ASTM D790
Flexural Strength	38.6 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (3.18 mm)	110 J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	470 J/m	ASTM D4812

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	83	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	127 °C	
1.8 MPa, Unannealed	124 °C	

Electrical	Nominal Value Unit	Test Method
Volume Resistivity	1.0E+16 ohm·cm	ASTM D257

Additional Information

Mold Shrinkage, ASTM D-955, 0.25in. : 6mil/in.

Injection	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	2.0 hr
Suggested Max Regrind	20 %

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Injection	Nominal Value Unit
Rear Temperature	218 to 274 °C
Middle Temperature	218 to 274 °C
Front Temperature	218 to 274 °C
Mold Temperature	32.0 to 66.0 °C
Injection Pressure	68.9 to 103 MPa