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/cm³	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