RTP 148 HI Z

Polypropylene Copolymer

RTP Company

Message:

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 Information			
Filler / Reinforcement	Mica filler, 40% filler by weight		
Features	Impact resistance, good		
Agency Ratings	FDA not rated		
RoHS Compliance	Contact manufacturer		
Appearance	Black Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.23	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4830	MPa	ASTM D638
Tensile Strength	24.1	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	41.4	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)	530	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.8	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.59 mm, Values per RTP Company testing.)	HB		UL 94

Additional Information		
Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25in.: 10mil/in.		
Injection	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	2.0	hr
Suggested Max Regrind	20	%
Rear Temperature	218 - 274	°C
Middle Temperature	218 - 274	°C
Front Temperature	218 - 274	°C
Mold Temperature	32.2 - 65.6	°C
Injection Pressure	68.9 - 103	MPa

Recommended distributors for this material

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