

RTP Compounds 128 HI FR

Polypropylene Copolymer

RTP Company

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	• Talc Filler, 20% Filler by Weight	
Additive	• Flame Retardant	• Impact Modifier
Features	• Flame Retardant	• Impact Modified
RoHS Compliance	• Contact Manufacturer	
Appearance	• Black	• Natural Color
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.46 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.90 %	ASTM D955
Water Absorption (23°C, 24 hr)	0.030 %	ASTM D570

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	3450 MPa	ASTM D638
Tensile Strength	20.7 MPa	ASTM D638
Tensile Elongation (Break)	10 %	ASTM D638
Flexural Modulus	2760 MPa	ASTM D790
Flexural Strength	34.5 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (3.18 mm)	53 J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	530 J/m	ASTM D256

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	89	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	110 °C	
1.8 MPa, Unannealed	54.4 °C	

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

Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.59 mm, Values per RTP Company testing.	V-0	

Additional Information

Mold Shrinkage, ASTM D-955, 0.25in.: 15mil/in.

Injection	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	2.0 hr
Suggested Max Regrind	20 %
Rear Temperature	218 to 274 °C
Middle Temperature	218 to 274 °C
Front Temperature	218 to 274 °C
Mold Temperature	32.2 to 65.6 °C

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Injection	Nominal Value Unit
Injection Pressure	68.9 to 103 MPa

Notes

¹ Typical properties: these are not to be construed as specifications.