

RTP 102CC GB 15

Polypropylene Homopolymer

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	Glass fiber reinforced material, 15% filler by weight		
	Glass beads, 15% filler by weight		
Features	Chemical coupling		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	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
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4830	MPa	ASTM D638
Tensile Strength	53.8	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	83.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	370	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	143	°C	ASTM D648
1.8 MPa, not annealed	132	°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, ASTM D-955, 0.25in. : 7mil/in.Tensile Elongation, ASTM D-638: 3-5%			
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 - 138	MPa	

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Recommended distributors for this material

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