RTP 207D TFE 15

Polyamide 612

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.-

Filler / Reinforcement Glass fiber reinforced material, 40% filler by weight Additive PTFE lubricant (15%) Features Lubrication RoHS Compliance Contact manufacturer Appearance Black Natural color Forms Particle Processing Method Injection molding Physical Nominal Value Unit Test Method Specific Gravity 1.54 g/cm² ASTM D792 Molding Shrinkage - Flow (3.18 mm) 0.30 % ASTM D570 Hardness Nominal Value Unit Test Method Mater Absorption (23°C, 24 hr) 0.20 % ASTM D570 Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale) 118 ASTM D68 Mechanical Nominal Value Unit Test Method Tensile Strength 152 MPa ASTM D638 Tensile Strength 152 MPa ASTM D638 Tensile Strength 152 MPa ASTM D695 Compressive Strengt	General Information				
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Deflection Temperature Under Load ASTM D648	Unnotched Izod Impact (3.18 mm)	1100	J/m	ASTM D4812	
·	Thermal	Nominal Value	Unit	Test Method	
0.45 MPa, not annealed 218 °C ASTM D648	Deflection Temperature Under Load			ASTM D648	
	0.45 MPa, not annealed	218	°C	ASTM D648	

1.8 MPa, not annealed	216	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	НВ		UL 94
Additional Information			

Additional Information

Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25in.: 4mil/in.Wear Factor, K, ASTM D-3702: 20E-10in³/min/ft/lb/hrCoefficient of Friction, Dynamic, ASTM D-3702: 0.30Coefficient of Friction, Static, ASTM D-3702: 0.20The wear factor and dynamic coefficient of friction were both tested on a Falex Model No.6 Wear Testing Machine at 50 FPM, 2000 PV, against C1018 steel of hardness 15-25 Rockwell C, 14-17 micro smoothness.

Injection	Nominal Value	Unit
Drying Temperature	79.4	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Suggested Max Regrind	20	%
Rear Temperature	254 - 282	°C
Middle Temperature	254 - 282	°C
Front Temperature	254 - 282	°C
Mold Temperature	65.6 - 93.3	°C
Injection Pressure	68.9 - 138	MPa

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