

RTP 800 GB 25

Acetal (POM) 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	Glass beads, 25% filler by weight		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3790	MPa	ASTM D638
Tensile Strength	37.9	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	32	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	370	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Additional Information			
Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25in.: 28mil/in.Tensile Elongation, ASTM D-638: 10+%			
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.15	%	
Suggested Max Regrind	20	%	
Rear Temperature	191 - 210	°C	
Middle Temperature	191 - 210	°C	

Front Temperature	191 - 210	°C
Mold Temperature	93.3 - 121	°C
Injection Pressure	103 - 138	MPa
Back Pressure	0.172 - 0.345	MPa

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Recommended distributors for this material

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