RTP 800 GB 20 TFE 20

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, 20% filler by weight		
Additive	PTFE lubricant (20%)		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Appearance	Black Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.68	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.25	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength	41.4	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Compressive Strength	37.9	MPa	ASTM D695
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (6.35 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (6.35 mm)	530	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	160	°C	ASTM D648
1.8 MPa, not annealed	113	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Additional Information
Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25in.: 28mil/in.Flammability, ASTM D-635: B in/min.

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

Recommended distributors for this material

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