

RTP 1503-40D TFE 20 SI 2

Thermoplastic Elastomer

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.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE Lubricant (20%)		
	Silicone Lubricant (2%)		
Features	Good Impact Resistance		
	High Strength		
	Lubricated		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1030	MPa	ASTM D638
Tensile Strength (Yield)	21.0	MPa	ASTM D638
Flexural Modulus	827	MPa	ASTM D790
Flexural Strength (Yield)	22.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	480	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	530	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	49.0	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating (1.59 mm, Values per RTP Company testing.)			HB	UL 94
Injection	Nominal Value	Unit		
Rear Temperature	188 to 216	°C		
Middle Temperature	188 to 216	°C		
Front Temperature	188 to 216	°C		
Mold Temperature	21.1 to 37.8	°C		
Injection Pressure	68.9 to 103	MPa		

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Recommended distributors for this material

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