

RTP 1505-72D

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.
-Preliminary Product Data per RTP Co.-

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% 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	1.47	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3590	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	160	J/m	ASTM D256
Unnotched Izod Impact (6.35 mm)	800	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	199	°C	ASTM D648
1.8 MPa, not annealed	168	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information			
Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25in.: 3mil/in.Flammability, ASTM D-635: B in/min.			
Injection	Nominal Value	Unit	

Rear Temperature	193 - 221	°C
Middle Temperature	193 - 221	°C
Front Temperature	193 - 221	°C
Mold Temperature	23.9 - 51.7	°C
Injection Pressure	68.9 - 103	MPa

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Recommended distributors for this material

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