

RTP 1500.5-55D

Thermoplastic Elastomer, Ether-Ester

RTP Company

Message:

Glass Fiber

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 5.0% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.90	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.40	%	ASTM D570
Moisture Content		%	
Primary Additive	5.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	552	MPa	ASTM D638
Tensile Strength	28.6	MPa	ASTM D638
Tensile Elongation (Yield)	500	%	ASTM D638
Flexural Modulus	414	MPa	ASTM D790
Flexural Strength	17.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	420	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	570	J/m	ASTM D4812
Injection	Nominal Value	Unit	
Drying Temperature	104	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	210 - 238	°C	
Mold Temperature	21.1 - 37.8	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

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