

RTP 4799 X 117571 E

Polytrimethylene Terephthalate

RTP Company

Message:

Glass Fiber - Flame Retardant - Halogen Free

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Halogen-free		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.22 - 0.40	%	ASTM D955
Moisture Content	0.010	%	
Primary Additive	20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9380	MPa	ASTM D638
Tensile Strength	93.1	MPa	ASTM D638
Tensile Elongation (Yield)	1.5 - 2.5	%	ASTM D638
Flexural Modulus	8620	MPa	ASTM D790
Flexural Strength	128	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	450	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm, ** Values per RTP Company testing.)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	127	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	-40.0	°C	
Processing (Melt) Temp	232 - 260	°C	
Mold Temperature	87.8 - 121	°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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