

RTP 1799 X 138211 C

Polyphenylene Ether + PS

RTP Company

Message:

Glass Fiber - Flame Retardant

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 - 0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.080	%	ASTM D570
Moisture Content	0.10	%	
Primary Additive	20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6210	MPa	ASTM D638
Tensile Strength	89.6	MPa	ASTM D638
Tensile Elongation (Yield)	1.5 - 2.5	%	ASTM D638
Flexural Modulus	6070	MPa	ASTM D790
Flexural Strength	131	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)	370	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.5 mm, ** Values per RTP Company testing.	V-0	UL 94	
3.0 mm, ** Values per RTP Company testing.	5VA	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	93	°C	
Drying Time	2.0	hr	
Dew Point	-18	°C	
Processing (Melt) Temp	249 - 288	°C	
Mold Temperature	66 - 93	°C	
Injection Pressure	68.9 - 103	MPa	

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Recommended distributors for this material

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