

RTP 4607 HI FR

Syndiotactic Polystyrene

RTP Company

Message:

Glass Fiber - Impact Modified - Flame Retardant

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Impact Modifier		
Features	Flame Retardant		
	Impact Modified		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.15	%	ASTM D955
Moisture Content	0.020	%	
Primary Additive	40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12100	MPa	ASTM D638
Tensile Strength	121	MPa	ASTM D638
Tensile Elongation (Yield)	1.5	%	ASTM D638
Flexural Modulus	12400	MPa	ASTM D790
Flexural Strength	197	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	93	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	430	J/m	ASTM D4812
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	293 to 327	°C	
Mold Temperature	71.1 to 149	°C	
Injection Pressure	68.9 to 103	MPa	

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