

RTP 4601

Syndiotactic Polystyrene

RTP Company

Message:

Glass Fiber

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.010	%	ASTM D570
Moisture Content	0.020	%	
Primary Additive	10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4830	MPa	ASTM D638
Tensile Strength	72.4	MPa	ASTM D638
Tensile Elongation (Yield)	1.8	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	230	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	132	°C	ASTM D648
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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Recommended distributors for this material

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