

RTP 4600 EA 534

Syndiotactic Polystyrene

RTP Company

Message:

Glass Fiber - Flame Retardant - UL94 V-0

General Information			
UL YellowCard	E84658-298378		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.25 to 0.35	%	ASTM D955
Moisture Content	0.020	%	
Primary Additive	30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9650	MPa	ASTM D638
Tensile Strength	107	MPa	ASTM D638
Tensile Elongation (Yield)	1.5 to 3.0	%	ASTM D638
Flexural Modulus	10000	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	430	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	218	°C	ASTM D648
Electrical	Nominal Value		Test Method
Dielectric Constant (1 MHz)	3.00		ASTM D150
Dissipation Factor (1 MHz)	1.0E-3		ASTM D150
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.00 mm	V-0		
2.00 mm	5VA		
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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