

RTP 1400 AG-230

Polyethersulfone

RTP Company

Message:

Glass Fiber - UL94 V-0

General Information			
UL YellowCard	E84658-251506		
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (385°C/2.16 kg)	13 - 16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.15 - 0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.40	%	ASTM D570
Moisture Content	0.040	%	
Primary Additive	30	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8620	MPa	ASTM D638
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Yield)	3.0 - 4.0	%	ASTM D638
Flexural Modulus	7930	MPa	ASTM D790
Flexural Strength	190	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)	590	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	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	ESD STM11.11
Volume Resistivity	> 1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	6.0	hr	

Dew Point	-31.7	°C
Processing (Melt) Temp	343 - 377	°C
Mold Temperature	135 - 177	°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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