

RTP 4207

Thermoplastic Polyimide

RTP Company

Message:

Glass Fiber - UL94 V-0

General Information			
UL YellowCard	E84658-251517		
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.63	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30	%	ASTM D955
Moisture Content	0.010	%	
Primary Additive	40	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	124		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13800	MPa	ASTM D638
Tensile Strength	193	MPa	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Flexural Modulus	13100	MPa	ASTM D790
Flexural Strength	296	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	140	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 316	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	204	°C	
Drying Time	6.0	hr	
Dew Point	-40.0	°C	
Processing (Melt) Temp	399 - 416	°C	
Mold Temperature	177 - 232	°C	
Injection Pressure	138 - 193	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

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