

RTP 881 HB

Acetal (POM) Copolymer

RTP Company

Message:

Carbon Fiber - UL94 HB

General Information			
UL YellowCard	E84658-251307		
Filler / Reinforcement	Carbon fiber reinforced material, 10% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.25	%	ASTM D570
Moisture Content	0.15	%	
Static Decay		sec	FTMS 101C 4046.1
Primary Additive	10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8620	MPa	ASTM D638
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Yield)	4.0 - 8.0	%	ASTM D638
Flexural Modulus	7240	MPa	ASTM D790
Flexural Strength	110	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)	430	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	160	°C	ASTM D648
1.8 MPa, not annealed	149	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	ASTM D257
Volume Resistivity	10 - 1.0E+2	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0	hr	
Dew Point	-31.7	°C	

Processing (Melt) Temp	182 - 218	°C
Mold Temperature	79.4 - 107	°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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