

RTP 205 FR XB

Polyamide 66

RTP Company

Message:

Glass Fiber - Flame Retardant - RoHS Compliant

General Information			
UL YellowCard	E84658-101656585		
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Flame retardancy		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.15 - 0.30	%	ASTM D955
Moisture Content	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ASTM D638
Tensile Strength	145	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 3.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	234	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	69	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	750	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	249	°C	ASTM D648
1.8 MPa, not annealed	232	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹ (in Oil)	30	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-0		UL 94
3.00 mm	5VA		UL 94
Glow Wire Flammability Index (0.800 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (0.800 mm)	775	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	

Drying Time	4.0	hr
Dew Point	-17.8	°C
Processing (Melt) Temp	277 - 299	°C
Mold Temperature	65.6 - 107	°C
Injection Pressure	68.9 - 124	MPa

Injection instructions

Desiccant Type Dryer Required.

NOTE

1. Method A (short time)

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