

RTP 205.3 B

Polyamide 610

RTP Company

Message:

Glass Fiber

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.30	%	ASTM D955
Moisture Content	0.20	%	
Primary Additive	33	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ASTM D638
Tensile Strength	152	MPa	ASTM D638
Tensile Elongation (Yield)	3.5 - 4.5	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	224	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	130	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1100	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating (1.5 mm, ** Values per RTP Company testing.)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Dew Point	-18	°C	
Processing (Melt) Temp	277 - 299	°C	
Mold Temperature	66 - 107	°C	
Injection Pressure	68.9 - 124	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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