

RTP 603 HB

Acrylonitrile Butadiene Styrene

RTP Company

Message:

Glass Fiber

General Information			
UL YellowCard	E84658-102590138		
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.20	%	ASTM D955
Moisture Content	0.10	%	
Primary Additive	20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6210	MPa	ASTM D638
Tensile Strength	86.2	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 - 2.0	%	ASTM D638
Flexural Modulus	5860	MPa	ASTM D790
Flexural Strength	119	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	270	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.3	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82	°C	
Drying Time	2.0	hr	
Dew Point	-18	°C	
Processing (Melt) Temp	204 - 238	°C	
Mold Temperature	63 - 85	°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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