

RTP 709

High Density Polyethylene

RTP Company

Message:

Glass Fiber

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11400	MPa	ASTM D638
Tensile Strength	64.1	MPa	ASTM D638
Tensile Elongation (Yield)	4.0 to 5.0	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	94.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	160	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	530	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB	UL 94	
Additional Information	Nominal Value	Unit	
Primary Additive	50	%	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	193 to 232	°C	
Mold Temperature	21.1 to 65.6	°C	
Injection Pressure	68.9 to 103	MPa	

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Recommended distributors for this material

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