

RTP 209 A FR UV

Polyamide 6

RTP Company

Message:

Glass Fiber - Flame Retardant - UV Stabilized

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Additive	UV stabilizer		
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.080 - 0.20	%	ASTM D955
Moisture Content	0.20	%	
Primary Additive	50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18600	MPa	ASTM D638
Tensile Strength	193	MPa	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Flexural Modulus	17900	MPa	ASTM D790
Flexural Strength	310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	140	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	960	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	243 - 279	°C	
Mold Temperature	54.4 - 93.3	°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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