

RTP 801 SI 2

Acetal (POM) Copolymer

RTP Company

Message:

Glass Fiber - Silicone Lubricated

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	Silicone lubricant (2%)		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.70 - 1.2	%	ASTM D955
Moisture Content	0.15	%	
Primary Additive	10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4480	MPa	ASTM D638
Tensile Strength	75.8	MPa	ASTM D638
Tensile Elongation (Yield)	3.5 - 6.0	%	ASTM D638
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	59	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	590	J/m	ASTM D4812
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0	hr	
Dew Point	-31.7	°C	
Processing (Melt) Temp	182 - 218	°C	
Mold Temperature	79.4 - 107	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

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