

RTP 1201 S-90A

Thermoplastic Polyurethane Elastomer (Polyester)

RTP Company

Message:

Glass Fiber

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.30	%	ASTM D955
Moisture Content	0.010	%	
Primary Additive	10	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 10 seconds	85		ASTM D2240
Shaw D	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	345	MPa	ASTM D638
Tensile Strength	17.2	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	276	MPa	ASTM D790
Flexural Strength	9.65	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	660	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	910	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	93.3	°C	
Drying Time	2.0 - 3.0	hr	
Processing (Melt) Temp	185 - 218	°C	
Mold Temperature	15.6 - 60.0	°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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