

RTP 1203 S-90A

Thermoplastic Polyurethane Elastomer (Polyester)

RTP Company

Message:

Glass Fiber

General Information			
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	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 - 0.30	%	ASTM D955
Moisture Content		%	
Primary Additive	20	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	552	MPa	ASTM D638
Tensile Strength	44.8	MPa	ASTM D638
Tensile Elongation (Yield)	> 30	%	ASTM D638
Flexural Modulus	552	MPa	ASTM D790
Flexural Strength	22.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	690	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	3.0 - 4.0	hr	
Processing (Melt) Temp	213 - 218	°C	
Mold Temperature	15.6 - 60.0	°C	
Injection Pressure	55.2 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

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Recommended distributors for this material

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