

RTP 1201 S-55D

Thermoplastic Polyurethane Elastomer (Polyester)

RTP Company

Message:

Glass Fiber Reinforced

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	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30	%	ASTM D955
Moisture Content	0.010	%	
Primary Additive	10	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	621	MPa	ASTM D638
Tensile Strength	38.6	MPa	ASTM D638
Tensile Elongation (Yield)	65	%	ASTM D638
Flexural Modulus	414	MPa	ASTM D790
Flexural Strength	17.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	800	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	6.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	193 - 218	°C	
Mold Temperature	15.6 - 48.9	°C	
Injection Pressure	41.4 - 82.7	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

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