

RTP 1205 S-65D

Thermoplastic Polyurethane Elastomer (Polyester)

RTP Company

Message:

Glass Fiber

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
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)	0.050 - 0.20	%	ASTM D955
Moisture Content		%	
Primary Additive	30	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.18 mm)	2760	MPa	ASTM D638
Tensile Strength ² (3.18 mm)	75.8	MPa	ASTM D638
Tensile Elongation ³ (Break, 3.18 mm)	20	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength ⁴ (5.0% Strain,3.18 mm)	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	400	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		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	98.9 - 110	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	< -28.9	°C	
Processing (Melt) Temp	204 - 221	°C	
Mold Temperature	26.7 - 60.0	°C	
Injection Pressure	34.5 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			
NOTE			
1.	Type 1, 5.1 mm/min		

2.	Type 1, 5.1 mm/min
3.	Type 1, 5.1 mm/min
4.	1.3 mm/min

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Recommended distributors for this material

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