

RTP 1205-65D TFE 15

Thermoplastic Polyurethane Elastomer (Polyester)

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.
-Preliminary Product Data per RTP Co.-

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Lubricated		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3310	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	320	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1600	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	116	°C	
1.8 MPa, Unannealed	76.7	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+11	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.59 mm, Values per RTP Company testing.)			HB	UL 94
Injection	Nominal Value	Unit		
Rear Temperature	182 to 210	°C		
Middle Temperature	182 to 210	°C		
Front Temperature	182 to 210	°C		
Mold Temperature	16.0 to 66.0	°C		
Injection Pressure	68.9 to 103	MPa		

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Recommended distributors for this material


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