

RTP 4700 TFE 10 SI 2

Polytrimethylene Terephthalate

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.

General Information			
Additive	PTFE Lubricant (10%)		
	Silicone Lubricant (2%)		
Features	Lubricated		
RoHS Compliance	Contact Manufacturer		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	2.3 to 2.6	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	2760	MPa	ASTM D638
Tensile Strength	50.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus (Injection Molded)	2760	MPa	ASTM D790
Flexural Strength (Injection Molded)	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	32	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	630	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded)	63.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	232 to 252	°C	
Middle Temperature	232 to 252	°C	
Front Temperature	232 to 252	°C	
Mold Temperature	88.0 to 121	°C	
Injection Pressure	69.0 to 103	MPa	

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Recommended distributors for this material

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