RTP 200H TFE 10 SI 2

Polyamide 66

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	Impact resistance, high Lubrication		
RoHS Compliance	Contact manufacturer		
Appearance	Black Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.13	g/cm³	ASTM D792
Molding Shrinkage - Flow			ASTM D955
3.18mm, injection molding	2.0	%	ASTM D955
6.35mm, injection molding	3.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (Injection Molded)	1930	MPa	ASTM D638
Tensile Strength	41.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus (Injection Molded)	1720	MPa	ASTM D790
Flexural Strength (Injection Molded)	59.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm, Injection Molded)	190	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1100	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, injection molded	171	°C	ASTM D648

1.8 MPa, unannealed, injection molded	71.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information			
The value listed as Flammibility, UL 94, was tested in accordance with RTP Company methods.			
Injection	Nominal Value	Unit	
Rear Temperature	274 - 293	°C	
Middle Temperature	274 - 293	°C	
Front Temperature	274 - 293	°C	
Mold Temperature	66.0 - 107	°C	
Injection Pressure	103 - 124	MPa	

Recommended distributors for this material

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