

RTP 202 TFE 10 HS

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.
RTP 202 TFE 10 HS is a 15% glass fiber reinforced nylon 6/6 with improved wear resistance. It is also heat stabilized.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Additive	PTFE lubricant (10%) heat stabilizer		
Features	Good wear resistance Thermal Stability Lubrication		
RoHS Compliance	Contact manufacturer		
Appearance	Black Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.80	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6210	MPa	ASTM D638
Tensile Strength	114	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	5860	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Compressive Strength	100	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Unnotched Izod Impact	400	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	243	°C	ASTM D648
1.8 MPa, not annealed	238	°C	ASTM D648
CLTE - Flow	4.5E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.39	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.70		ASTM D150
Dissipation Factor (1 MHz)	0.018		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Additional Information			
The value listed as Flammability, UL 94, was tested in accordance with RTP test standards.Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25in.: 6mil/in.			
Injection	Nominal Value	Unit	
Rear Temperature	274 - 288	°C	
Middle Temperature	274 - 288	°C	
Front Temperature	274 - 288	°C	
Mold Temperature	65.6 - 93.3	°C	
Injection Pressure	82.7 - 138	MPa	

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Recommended distributors for this material

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