

RTP 203D HS TFE 15

Polyamide 612

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 reinforced material, 20% filler by weight		
Additive	PTFE lubricant (15%) heat stabilizer		
Features	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	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6210	MPa	ASTM D638
Tensile Strength	117	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Flexural Strength	179	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	96	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	850	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	216	°C	ASTM D648
1.8 MPa, not annealed	213	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Additional Information			
Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25 in.: 6 mil/in.Tensile Elongation, ASTM D-638: 3-5%			
Injection	Nominal Value	Unit	
Rear Temperature	254 - 282	°C	
Middle Temperature	254 - 282	°C	
Front Temperature	254 - 282	°C	
Mold Temperature	60.0 - 93.3	°C	
Injection Pressure	68.9 - 138	MPa	

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Recommended distributors for this material

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