

RTP 203 D HS GB 20 TFE 15

Polyamide 612

RTP Company

Message:

Glass Fiber - Heat Stabilized - Glass Bead - PTFE Lubricated

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
	Glass beads, 20% filler by weight		
Additive	PTFE lubricant (15%) heat stabilizer		
Features	Thermal Stability		
	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.25	%	ASTM D570
Moisture Content	0.20	%	
Primary Additive	20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7930	MPa	ASTM D638
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Yield)	2.5 - 3.5	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	96	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	720	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	191	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	

Drying Time	4.0	hr
Dew Point	-17.8	°C
Processing (Melt) Temp	249 - 285	°C
Mold Temperature	60.0 - 93.3	°C
Injection Pressure	68.9 - 124	MPa

Injection instructions

Desiccant Type Dryer Required.

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Recommended distributors for this material

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