

RTP 207.3H 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.

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Heat Stabilized		
	Impact Modified		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11000	MPa	ASTM D638
Tensile Strength	145	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	221	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	210	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1000	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	257	°C	
1.8 MPa, Unannealed	249	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	20	%	
Rear Temperature	274 to 288	°C	
Middle Temperature	274 to 288	°C	
Front Temperature	274 to 288	°C	
Mold Temperature	65.6 to 93.3	°C	
Injection Pressure	103 to 138	MPa	

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Recommended distributors for this material

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