

RTP 283H HEC

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	Nickel plated carbon fiber, 20% filler by weight		
Features	Electromagnetic shielding (EMI)		
	Electrostatic discharge protection		
	Impact resistance, high		
	Radio frequency shielding (RFI)		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	0.20 - 0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	10300	MPa	ASTM D638
Tensile Strength	121	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	2.0	%	ASTM D638
Flexural Modulus (Injection Molded)	9300	MPa	ASTM D790
Flexural Strength (Injection Molded)	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	75	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	530	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, injection molded	246	°C	ASTM D648
1.8 MPa, unannealed, injection molded	232	°C	ASTM D648
Additional Information			

Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec

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

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Recommended distributors for this material

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