

# RTP 284H 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, 25% 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	1.31	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	0.10 - 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	13100	MPa	ASTM D638
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	1.5	%	ASTM D638
Flexural Modulus (Injection Molded)	12400	MPa	ASTM D790
Flexural Strength (Injection Molded)	200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	53	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	370	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
Volume Resistivity	1.0	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information			

The value listed as Flammability, UL 94, was tested in accordance with RTP Company methods.

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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