RTP 687 FR HEC

Acrylonitrile Butadiene Styrene 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, 40% filler by weight			
Features	Electromagnetic shielding (EMI)			
	Electrostatic discharge protection			
	Radio frequency shielding (RFI)			
	Flame retardancy			
RoHS Compliance	Contact manufacturer			
Appearance	Black			
	Natural color			
Forms	Particle	Particle		
Processing Method	Injection molding			
Physical	Nominal Value	Unit	Test Method	
Specific Gravity	1.51	g/cm³	ASTM D792	
Molding Shrinkage - Flow			ASTM D955	
3.18mm, injection molding	0.10	%	ASTM D955	
6.35mm, injection molding	0.20	%	ASTM D955	
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570	
Hardness	Nominal Value	Unit	Test Method	
Rockwell Hardness (R-Scale)	110		ASTM D785	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Modulus (Injection Molded)	11700	МРа	ASTM D638	
Tensile Strength	55.0	MPa	ASTM D638	
Tensile Elongation (Yield, Injection Molded)	1.0	%	ASTM D638	
Flexural Modulus (Injection Molded)	11000	MPa	ASTM D790	
Flexural Strength (Injection Molded)	83.0	MPa	ASTM D790	
Compressive Strength	59.0	MPa	ASTM D695	
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)	210	J/m	ASTM D4812	

Thermal	Nominal Value	Unit	Test Method		
Deflection Temperature Under Load			ASTM D648		
0.45 MPa, unannealed, injection molded	118	°C	ASTM D648		
1.8 MPa, unannealed, injection molded	116	°C	ASTM D648		
Electrical	Nominal Value	Unit	Test Method		
Volume Resistivity	1.0	ohms·cm	ASTM D257		
Flammability	Nominal Value	Unit	Test Method		
Flame Rating (1.50 mm)	V-0		UL 94		
Additional Information					
The value listed as Flammibility, UL 94, was tested in accordance with RTP Company methods.					
Injection	Nominal Value	Unit			
Rear Temperature	199 - 232	°C			
Middle Temperature	199 - 232	°C			

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

199 - 232

63.0 - 85.0

69.0 - 103

Tel: +86 21 5895 8519 Phone: +86 13424755533

Front Temperature

Mold Temperature

Injection Pressure

Email: sales@su-jiao.com

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