RTP ESD A 280H FR

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	Carbon fiber reinforced material		
Additive	Impact modifier Flame retardancy		
Features	Impact modification Antistatic property Impact resistance, high Flame retardancy		
Agency Ratings	MIL B-81705C		
RoHS Compliance	Contact manufacturer		
Appearance	Black Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.36	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	7580	MPa	ASTM D638
Tensile Strength	96.5	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	120	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, not annealed	216	°C	ASTM D648
1.8 MPa, not annealed	193	°C	ASTM D648
CLTE - Flow	4.7E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+9	ohms	ASTM D257
Volume Resistivity	1.0E+6	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (3.18 mm)	V-0		UL 94
Additional Information			
Mold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 5mil/in.Tensile Elongation, ASTM D638: 2-3%Volume Resistivity, ASTM D257: 1E3-1E9 ohm-cmSurface Resistivity, ASTM D257: 1E6-1E12 ohm/sq			
Injection	**Nominal Value**	**Unit**	
Rear Temperature	260 - 288	°C	
Middle Temperature	260 - 288	°C	
Front Temperature	260 - 288	°C	
Mold Temperature	79.4 - 121	°C	
Injection Pressure	103 - 138	MPa	

Recommended distributors for this material

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