

RTP ESD A 200 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			
Additive	Impact modifier		
	Flame retardancy		
Features	Impact modification		
	Antistatic property		
	Flame retardancy		
Agency Ratings	MIL B-81705C		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.0 - 2.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4140	MPa	ASTM D638
Tensile Strength	49.6	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	270	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	71.1	°C	ASTM D648
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	V-0		UL 94

Additional Information

Tensile Elongation, ASTM D638: 1-2%Volume Resistivity, ASTM D257: 1E3-1E9 ohm-cmSurface Resistivity, ASTM D257: 1E6-1E12 ohm/sq

Injection	Nominal Value	Unit
Rear Temperature	246 - 274	°C
Middle Temperature	246 - 274	°C
Front Temperature	246 - 274	°C
Mold Temperature	65.6 - 107	°C
Injection Pressure	68.9 - 138	MPa

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Recommended distributors for this material

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