

RTP ESD A 905

Polysulfone
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	Glass fiber reinforced material, 30% filler by weight		
Features	Conductivity		
	Antistatic property		
Agency Ratings	MIL B-81705B		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8270	MPa	ASTM D638
Tensile Strength	103	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	59	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	182	°C	ASTM D648
1.8 MPa, not annealed	177	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+11	ohms	ASTM D257
Volume Resistivity	1.0E+9	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
Additional Information			

Volume Resistivity, ASTM D257: 1E7-1E11 ohm-cmSurface Resistivity, ASTM D257: 1E9-1E13 ohms/sqNFPA Code 56A, static decay rate, 0.5 sec: passes

Injection	Nominal Value	Unit
Rear Temperature	316 - 357	°C
Middle Temperature	316 - 357	°C
Front Temperature	316 - 357	°C
Mold Temperature	93.3 - 149	°C
Injection Pressure	68.9 - 138	MPa

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Recommended distributors for this material

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