

RTP ESD A 680 FR

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	Carbon fiber reinforced material		
Additive	Flame retardancy		
Features	Antistatic property		
	Good coloring		
	Flame retardancy		
Agency Ratings	MIL B-81705B		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8270	MPa	ASTM D638
Tensile Strength	79.3	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	5860	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	48	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, not annealed	110	°C	ASTM D648
1.8 MPa, not annealed	104	°C	ASTM D648
CLTE - Flow	5.0E-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	V-0		UL 94

Additional Information

Mold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 3mil/in.Tensile Elongation, ASTM D638: 1-2%Volume Resistivity, ASTM D257: 1E3-1E9 ohm-cmSurface Resistivity, ASTM D257: 1E6-1E12 ohm/sqNFPA Code 56A, static decay rate, 0.5 sec: passes

Injection	Nominal Value	Unit
Rear Temperature	204 - 274	°C
Middle Temperature	204 - 274	°C
Front Temperature	204 - 274	°C
Mold Temperature	79.4 - 107	°C
Injection Pressure	68.9 - 138	MPa

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

