

Sumitomo Epoxy E 3938A

Epoxy; Epoxide

Sumitomo Bakelite North America, Inc.

Message:

E 3938A is a fiberglass reinforced epoxy molding compound, with excellent dimensional stability, good strength, and excellent electrical insulation properties.

General Information	
Filler / Reinforcement	Glass Fiber
Features	Electrically Insulating
	Good Dimensional Stability
	Good Strength
Appearance	Black
	Blue
Forms	Granules
Processing Method	Compression Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm ³	ASTM D792
Apparent Density	0.75	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.10	%	ASTM D955
Water Absorption - 48 hr (50°C)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	85.0	MPa	ASTM D638
Flexural Strength (Break)	160	MPa	ASTM D790
Compressive Strength	250	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	215	°C	
1.8 MPa, Annealed	> 282	°C	
CLTE			ASTM E831
Flow	1.9E-5	cm/cm/°C	
Transverse	2.8E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	16	kV/mm	ASTM D149

Dielectric Constant ¹ (1 MHz)	4.10		ASTM D150
Dissipation Factor ² (1 MHz)	0.010		ASTM D150
Arc Resistance	186	sec	ASTM D495

NOTE			
1.	Wet		
2.	Wet		

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

