

## Sumitomo Bakelite North America E 2748A Short Glass Fiber Reinforced Epoxy

Category : Polymer , Thermoset , Epoxy , Epoxy, Molded, Glass Fiber Filler , Filled/Reinforced Thermoset

### Material Notes:

E 2748A is a glass reinforced epoxy molding compound, with good impact strength combined with soft flow for the encapsulation of devices requiring high quality and thermal shock resistance. Information provided by Sumitomo Bakelite North America, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sumitomo-Bakelite-North-America-E-2748A-Short-Glass-Fiber-Reinforced-Epoxy.php](http://www.lookpolymers.com/polymer_Sumitomo-Bakelite-North-America-E-2748A-Short-Glass-Fiber-Reinforced-Epoxy.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.700 g/cc	0.0253 lb/in <sup>3</sup>	ASTM D1895
Density	1.78 g/cc	0.0643 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.20 % @Temperature 50.0 Â°C, Time 173000 sec	0.20 % @Temperature 122 Â°F, Time 48.0 hour	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	76.0 MPa	11000 psi	ASTM D638
Flexural Strength	142 MPa	20600 psi	at rupture; ASTM D790
Flexural Modulus	12.4 GPa	1800 ksi	ASTM D790
Compressive Strength	210 MPa	30500 psi	ASTM D695
Izod Impact, Notched	0.290 J/cm	0.543 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	17.0 Âµm/m-Â°C	9.44 Âµin/in-Â°F	ASTM E831
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	Post Baked; ASTM D648A

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.5 @Frequency 1.00e+6 Hz	4.5 @Frequency 1.00e+6 Hz	wet; ASTM D150
Dielectric Strength	14.2 kV/mm @Frequency 60.0 Hz	361 kV/in @Frequency 60.0 Hz	short time, dry; ASTM D149

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	wet; ASTM D150
Arc Resistance	180 sec	180 sec	ASTM D495

Descriptive Properties	Value	Comments
Color	Black	
Form	Granular	
Molding Method	Compression	
	Transfer	

## Contact Songhan Plastic Technology Co.,Ltd.

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