

## Sumitomo Bakelite North America EM 7400-2 Long Glass Fiber Reinforced Epoxy

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

### Material Notes:

EM 7400-2 is a polyaramide fiber reinforced epoxy molding compound, which features abrasion resistance and light weight. Information provided by Sumitomo Bakelite North America, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sumitomo-Bakelite-North-America-EM-7400-2-Long-Glass-Fiber-Reinforced-Epoxy.php](http://www.lookpolymers.com/polymer_Sumitomo-Bakelite-North-America-EM-7400-2-Long-Glass-Fiber-Reinforced-Epoxy.php)

Physical Properties	Metric	English	Comments
Density	1.00 - 1.15 g/cc	0.0361 - 0.0415 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	ASTM D638
Flexural Strength	76.0 MPa	11000 psi	at rupture; ASTM D790
Flexural Modulus	6.60 GPa	957 ksi	ASTM D790
Compressive Strength	210 MPa	30500 psi	ASTM D695
Izod Impact, Notched	1.80 J/cm	3.37 ft-lb/in	ASTM D256

Electrical Properties	Metric	English	Comments
Dielectric Constant	1.8	1.8	wet; ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	14.4 kV/mm	366 kV/in	step-by-step, wet; ASTM D149
	@Frequency 60.0 Hz	@Frequency 60.0 Hz	
Dielectric Strength	15.2 kV/mm	386 kV/in	short time, wet; ASTM D149
	@Frequency 60.0 Hz	@Frequency 60.0 Hz	
Dissipation Factor	0.030	0.030	wet; ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Arc Resistance	126 sec	126 sec	ASTM D495

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Natural Value	Comments
Form	Coarse Flake	
Molding Method	Compression	

## Contact Songhan Plastic Technology Co.,Ltd.

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