



3240 Fiberglass Laminates

This product is made of electrical alkali-free glass cloth impregnated with epoxy resin by hot pressing.

Standard

- IEC 60893-3:2003
- GB/T 1303.4-2009

Flame Resistance

HB

Heat Resistance

Class B

Regular Size

- 1020*2020mm

Raw Material

Adhesive / Epoxy resin
Reinforcing material / Alkali free glass fiber cloth

Certificate Available

- UL RoHS HALOGEN MSDS CEMT
Factory Inspection Report

Characteristics

- ✓ Good mechanical and electrical properties at both room temperature and elevated temperatures
- ✓ Epoxy (EP) resin matrix reinforced with fine fabrics

Industries

-  Generator and Motor
-  Dry Transformer
-  Electrical Industry
-  Electrical Insulating Component

Technical Data Sheet

Product name	3240 Epoxy Sheet / Epoxy Fiberglass Laminates	
SECTION I - MISC CHARACTERISTICS		
Density	g/cm ³	2.00-2.10
Flammability	-	HB
Water absorption (5mm)	%	≤0.07
Chemical family	Resin	Epoxy
Reinforcement type	Glass fabrics	Alkali-free
Thermal characteristics	°C	≥130
Colour	Yellow	
SECTION II- MECHANICAL CHARACTERISTICS		
Bending strength	MPa	≥350
Tensile strength	MPa	≥300
Compressive strength ⊥	MPa	≥300
Modulus of elasticity	MPa	≥24000
Impact strength //	kJ/m ²	≥33
SECTION III- ELECTRICAL CHARACTERISTICS		
Electrical strength ⊥	kV/mm, thickness≤3mm	≥10.2
Breakdown voltage //	kV	≥35
Proof tracking index	PTI	≥150
SECTION IV-HAZARDOUS INGREDIENTS		
Hazardous components	No OSHA hazardous ingredients	
SECTION V - REACTIVITY DATA		
Chemical stability	Stable under normal conditions	
Conditions to avoid	Avoid in use above 130°C	
Incompatible materials	Exposure to strong acids or bases will cause damage	
Hazardous polymerizations	Will not occur	
Storage and use effects	Conventional performance remains stable within 1 year. Long-term exposure to sunlight and high humidity will cause discoloration and performance degradation.	
SECTION VI- PRECAUTION		
Over exposure effects	Dust from machining products can irritate the eyes, nose, throat and lungs. Prolonged inhalation of dust can cause lung disease.	

Note: All information, recommendations and suggestions appearing herein concerning this product are average values ascertained at room temperature by regular statistical analysis. It is provided purely for information and shall not be regarded as binding unless expressly agreed otherwise.

DIMENSIONAL TOLERANCE		Tolerance of length & width is less than 5 mm	
Thickness (mm)	Tolerance (mm)	Thickness (mm)	Tolerance (mm)
0.5	±0.12	5.0	±0.52
1.0	±0.18	8.0	±0.72
2.0	±0.28	10.0	±0.82
3.0	±0.37	20.0	±1.30