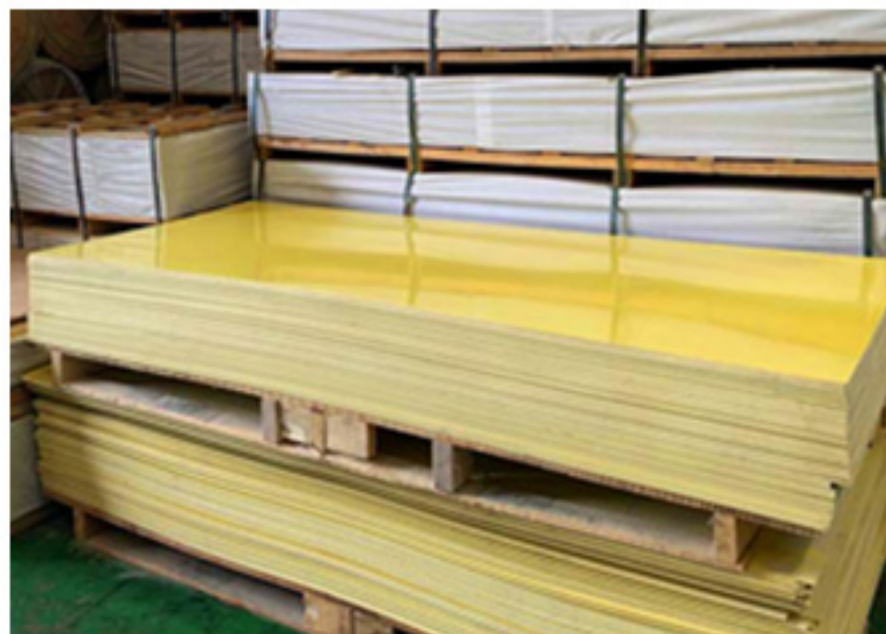




Epoxy Fiberglass Cloth Sheet



Product & Introduction

Insulation Grade: B class

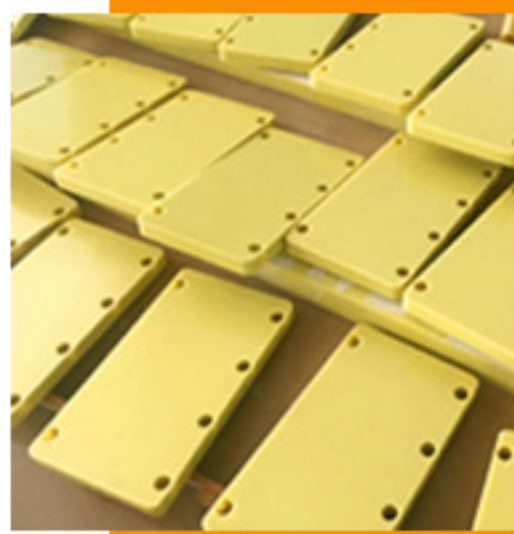
Thickness: 0.012" - 5.9"

Dimension: 40" x 80", 48" x 80", 48" x 96"

Tolerance Range: International Standard

Epoxy fiberglass cloth laminated sheet is made of non-alkali fiberglass cloth for electrical purposes impregnated with epoxy resin and phenolic resin under heat and hot pressing with excellent dielectric property and mechanical property, strong mechanical processing property, and good moisture resistance.

Due to its high mechanical properties at medium temperature, epoxy laminate is suitable for the high insulation structure of mechanical, electrical, and electronic components. It can be processed into various insulation accessories and insulation structural parts of types of equipment and can be used in a humid environment and transformer oil.



Series of insulating board processing products

Technical & Data

	Items	Test Method	Unit	Typical Values
Physical Properties	Color	Visual inspection		Light green / yellow
	Specific Gravity	IEC 60893-2:2003	g/cm ³	1.90- 2.15
	Water absorption	ISO62:2008	%	<0.3
Electrical properties	Electric strength	IEC 60893-2:2003	KV/mm	≥14(3.0mm)
	Electric strength	IEC 60893-2:2003	KV	≥60
	Volume Resistivity	IEC 60093:1980	Ω.m	≥1.0*10 ¹²
	Surface Resistivity	IEC 60093:1980	Ω	≥1.0*10 ¹⁴
	Dielectric constant	IEC 60893-2:2003	--	4.0-5.5
	Dissipation Factor	IEC 60893-2:2003	--	0.04-0.05
	PTI Proof Tracking Index PTI	IEC 60893-2:2003	V	≥200
	Insulation resistance after immersion 24Hrs in Water	IEC 60893-2:2003	Ω	≥5*10 ¹⁰
Mechanical properties	Flexural Strength	IEC 60893 2:2003	Mpa	≥340
	Flexural Strength	IEC 60893 2:2003	KJ/m ²	≥60
	Tensile Strength	IEC 60893-2:2003	Mpa	≥300
	Bond Strength	IEC 60893-3-4:2003	N	≥8000
	Compressive Strength	IEC 60893-2:2003	Mpa	≥350
Flame Resistance performance	Temperature Index	IEC 60085:2004	°C	155
	Flame Resistance	IEC 60893-2:2003	-	V-0
		E662	-	Low
Other properties	Acetone Resistance	boiled	min	30(OK)



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