

TYPE
3240.

**EPOXY PHENOLIC
GLASS CLOTH
LAMINATED SHEETS**

Properties and Applications
3204 epoxy phenolic glass cloth laminated sheets, with high mechanical and electrical properties, can be applied to generators, motors and electrical appliances as insulating structural parts and used in transformer oil and humid environment.

Thicknesses available.

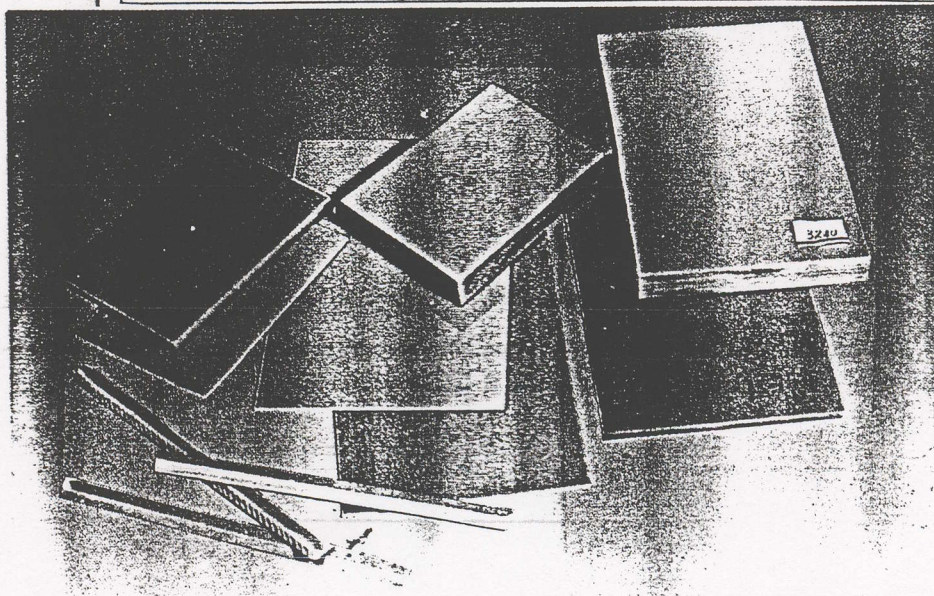
- .08 mm
- 1.00 mm
- 1.50 mm
- 2.00 mm
- 2.50 mm
- 3.00 mm
- 4.00 mm
- 4.50 mm
- 6.00 mm
- 8.00 mm
- 10.00 mm
- 12.00 mm

Sheet size.

970 mm x 970 mm

2. Physical, Mechanical and Electrical Properties

Properties		Units	Values
Specific gravity			1.70 - 1.90
Martins heat resistance (lengthwise) min		°C	200
Bending strength min	lengthwise	kg/cm ²	3500
	crosswise		2900
Impact strength min	lengthwise	kgfcm/cm ²	150
	crosswise		100
Tensile strength min	lengthwise	kgf/cm ²	3000
	crosswise		2200
Bond strength min		kfg	530
Surface resistivity min	at room temp	Ω	1.0 x 10 ¹³
	water absorption		1.0 x 10 ¹¹
Volume resistivity min	at room temp	Ω . cm	1.0 x 10 ¹³
	water absorption		1.0 x 10 ¹¹
Tan δ at 50 Hz min			0.050
Breakdown strength flatwise (in transformer oil at 90 ± 2°C) min	thickness 0.5 - 1mm	kv/mm	22.0
	thickness 1.1 - 2mm		20.0
	thickness 2.1 - 3mm or over 3mm with one side machined to 3mm		18.0



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