



ELECTRICAL INSULATION MATERIALS

GPO-3 Sheet



PRODUCT PARAMETERS

No.	Index name	Unit	Index value
1	Bending strength	MPa	≥ 180 (normal) ≥ 90 (130° C/1h)
2	Impact strength (notch)	kJ/m ²	≥ 60
3	Adhesive strength	N	≥ 3800
4	Dielectric strength	MV/m	≥ 12
5	arc resistance	s	≥ 180
6	Anti-tracking index	V	≥ 600
7	Breakdown voltage	KV	>42
8	Density	g/cm ³	1.85--2.10
9	Dielectric loss factor	—	≤ 0.06
10	Relative permittivity	—	≤ 4.5
11	Insulation resistivity	Ω	$\geq 1.0 \times 10^{12}$
12	Heat distortion temperature	°C	≥ 240
13	Water absorption		≤ 0.15
14	Barcol hardness		≥ 50
15	Flammability	level	UL94V0 ignition time $\geq 75s$ burning time $\leq 85s$



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