



Bakelite Fabric

GENERAL INFORMATION:

Construction of layers of woven cloth bonded with a synthetic resin, which results in a product with excellent mechanical & wear resistant properties.

A fine weave and a general purpose grade available.

APPLICATIONS:

TF1 is a general grade which primarily intended for mechanical applications; .

TF3: Primarily intended for mechanical applications, made of super-fine woven cloth

TFC: Graphite powder added into the resin to achieve a good property of anti-grinding

TYPICAL PROPERTIES:

Properties	Unit	Values		
		TF1	TF2	TFC
Flexural strength perpendicular to laminations \geq	MPa	100	110	90
Impact strength parallel to laminations (Charpy) \geq	KJ/m ²	8.8	7.0	7.8
Insulation resistance impregnated in water. D-24/23 \geq	Ω	1.0×10^6	1.0×10^6	--
Dielectric strength perpendicular to laminations (in $90 \pm 2^\circ\text{C}$ transformer oil, 1mm in thickness) \geq	MV/m	0.82	0.82	--
Breakdown voltage parallel to laminations (in $90 \pm 2^\circ\text{C}$ transformer oil) \geq	KV	1	1	--
Density	g/cm ³	1.3-1.4		1.3-1.45
Water absorption (D-24/23, 1.6 mm in thickness) \leq	mg	220	220	200
Permittivity(1 MHz) \leq		5.5		
Dissipation factor (1 MHz) \leq		0.05		
Density	g/cm ³	1.3-1.4		1.3-1.45
Color		Natural, black		Black
Reference standard		JB/T8149.2-2000		
Sheet Size		1220 \times 1020, 1980 \times 980, 1220 \times 2470mm		