

TECHNICAL CARATTERISTIC		NORM	UNIT	BAKELITE - M7	VEREPOX - M33
Rolled tube				Cellulose paper	Glass cloth
Resin reinforcement				Phenolic	Epoxy
Mechanical properties	Flexural strength at ropture perpendicular to laminations	ISO 178	Mpa	80	320
	Split load	CEI	N	2000	6000
	Compressive strength (axial)	ISO 604	Mpa	80	175
	Cohesion between layers	EN 61212-2	MPa	70	200
Dielectric properties	Electrical strength at 90°C, in oil, perpendicular to lamination (thickness 3 mm)	IEC 243-1	KV/mm	10	7,7
	Break down voltage, at 90°C in oil, parallel to laminations	IEC 243-1	KV	20	40
	Permittivity at 48-62 Hz	IEC 250	-	-	5,2
	Dissipation factor at 48-62 Hz	IEC 251	-	-	0,04
Chemical properties	Density	ISO 1183	g/cm ³	1,1 - 1,2	1,7 - 1,8
	Water absorption (thickness 3 mm)	ISO 62	mg	10	0,8
Other properties	Insulating class	CEI	class	-	F
	Max working temperature	-	°C	120	155
	IEC designation	IEC893-3-1 IEC61212-1		- PFCP21	- EP GC 21
	Correspondance to other standards	CEI DIN 7735 BS 3953 NEMA L1 NF C26 VSM		N/A HP 2065 - X - -	EV Hgw 2375,4 - G11 - -
	Thickness		mm	≈2	≈2 to 4
	Colour			natural	natural
	Max length without joint		mm	2000	1200
	Internal diameter		mm	5 - 2100	5-2100
	Finishing			raw-varnished	raw-varnished