TECHNICAL CARATTERISTIC	NORM	UNIT	VEREPOX - M33	POLYVER - M53
Laminated sheet			Glass cloth	Glass mat
Resin reinforcement			Epoxy	Polyester
Flexural strength at ropture perpendicular to laminations	ISO 178	Mpa	450	150
Apparent modulus of elasticity in flexure	ISO 178	Mpa	25000	10000
Compressive strength perpendicular to lamination	ISO 604	Mpa	300	200
Impact strength (IZOD) parallel to laminations	ISO 108	KJ/m2	50	35
Tensile strength	ISO 527	Mpa	300	90
Split load	CEI	N	8000	4000
Electrical strength at 90°C,in oil, perpendicular to lamination (thickness 3 mm)	IEC 243-1	KV/mm	15	12
Break down voltage, at 90°C in oil, parallel to laminations	IEC 243-1	KV	40	35
Permittivity at 48-62 Hz	IEC 250	-	5,5	4,5
Dissipation factor at 48-62 Hz	IEC 251	-	0,04	0,05
Comparative tracking index	IEC 112	CTI	-	>600
Dry arc resistance	ASTM D 495	sec.	-	>180
Ignition time	ASTM D 229	sec.	-	200
Total elapsed time	ASTM D 229	sec.	-	30
Inflammability	UL 94	class	-	V0
Specific smokes optical density	ASTM E 662	-	-	in conformity
Determination of gas combustion, toxicity index	CEI 20.37/7	-	-	in conformity
Thermal conductivity	ISO 8302	W/mK	0,3	0,3
Linear expansion coefficient	VDE 0304/2	10^{-6} K^{-1}	10 - 20	15-30
Density	ISO 1183	g/cm^3	1,8-1,9	1,8-1,9
Water absorption (thickness 3 mm)	ISO 62	mg	22	55
Insulating class	CEI	class	F	F
Max working temperature	-	°C	155	155
IEC designation	IEC893-3-1	-	EP GC 203	UPGM203
	IEC61212-1	-	-	-
Correspondance to other standards	CEI	-	EV	PV
	DIN 7735	-	Hgw 2372.4	HM2471
	BS 3953	-	EP7	UP3
	NEMA L1	-	G11	GPO3
	NF C26	-	151-VT-EE2	153-VmP2e
	VSM	-	S-EP GC3	UPGM3
Thickness		mm	0,3 - 80	1-60
Colour		-	natural	red/white