

ΒΑΚΕΛΙΤΗΣ

Properties	Test method	Unit	Value
Density	ISO 1183 / A	g/cm ³	approx. 1,4
Flexural strength	ISO 178	MPa	150
Flexural modulus of elasticity	ISO 178	MPa	approx. 9000
Tensile strength	ISO 527	Mpa	120
Compressive strength perpendicular to laminations	ISO 604	MPa	300
Compressive strength parallel to laminations	ISO 604	Mpa	150
Electric strength at 90°C in oil perpendicular to laminations (thickness 3 mm)	IEC 243	kV/mm	5
Breakdown voltage at 90°C in oil parallel to laminations	IEC 243	kV	15
Permittivity at 50 Hz and 1 Mhz	IEC 250		< 5,5
Comparative tracking index	IEC 112		CTI 100
Thermal endurance	IEC 216	T.I.	120
Water absorption (thickness 3 mm)	ISO 62 / 1	mg	250
Impact strength an10 and an15	DIN 53453	kJ/m ²	20

ΠΑΝΙΤΗΣ

Properties	Test method	Unit	Value
Density	ISO 1183 / A	g/cm ³	approx. 1,4
Flexural strength length/cross	ISO 178	Mpa	130/120
Flexural modulus of elasticity	ISO 178	MPa	approx. 7000
Impact strength (Charpy) parallel to laminations	ISO 179/3 C	kJ/m ²	10
Tensile strength length/cross	ISO 527	MPa	80/65
Electric strength at 90°C in oil perpendicular to laminations (thickness 3mm) *)	IEC 243	kV/mm	1,6
Breakdown voltage at 90°C in oil parallel to laminations*)	IEC 243	kV	8
Permittivity at 50 Hz and 1 Mhz	IEC 250		approx. 5
Insulation resistance after immersion in water	IEC 167	Ohm	10 ⁶
Comparative tracking index	IEC 112	CTI 100	
Thermal endurance	IEC 216	T.I.	120
Water absorption (thickness 3 mm)	ISO 62 / 1	mg	200