

**Technical Data Sheet INBARIT 1293**

<b>Standard sizes</b>	2260x1160	mm
<b>Thickness</b>	0.8-125	mm

Properties	Test method	Unit	1293
Fibre reinforcement	-	-	mat/woven
Polyester resin			
Specific gravity	ISO 1183	g/cm <sup>3</sup>	1.95
Standard colour	-	-	white
DIN 7735 type	-	-	HM 2472
EN 60893/IEC 893 type	-	-	UPGM205
Nema-LI.1 Grade	-	-	
<b>Mechanical Properties</b>			
Flexural strength (perpendicular)	ISO 178	MPa	350
Modulus of elasticity (perpendicular)	ISO 178	MPa	17000
Compressive Strength (perpendicular)	ISO 604	MPa	250
Impact strength (Charpy) parallel	ISO 179	kJ/m <sup>2</sup>	50
Impact strength (Izod) parallel	ISO 180	kJ/m <sup>2</sup>	44
Shearing strength parallel to laminate	ASTM D 732	MPa	20
Tensile strength	ISO 527	MPa	120
<b>Electrical Properties</b>			
Electric strength at 90°C in oil (perpendicular)	IEC 60243	kV/mm	>9kV/4.0 mm
Electric strength at 90°C in oil (parallel)	IEC 60243	kV	35
Permittivity at 48 Hz-62Hz	ASTM D-150		4.5
Permittivity at 1 MHz	ASTM D-150		4.5
Dissipation factor at 48Hz-62Hz	ASTM D-150		0.05
Dissipation factor at 1Hz	ASTM D-150		0.05
Insulation resistance after immersion in water		MΩ	5x10 <sup>2</sup>
Proof tracking index	IEC 60112	PTI	500
Comparative tracking index	IEC 60112	CTI	600
<b>Physical properties</b>			
Thermal endurance	IEC 60216	T.I.	155
Flammability	UL94	4 mm	V0
Water absorption	ASTM D-570	mg	63 mg/4mm