

**Technical Data Sheet 1290**

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

Properties	Test method	Unit	1290
Fibre reinforcement	-	-	mat
Specific gravity	ISO 1183	g/cm <sup>3</sup>	1.85
Standard colour	-	-	white
DIN 7735 type	-	-	HM 2472
EN 60893/IEC 893 type	-	-	
Nema-LI.1 Grade	-	-	
<b>Mechanical properties</b>			
Flexural strength (perpendicular)	ISO 178	MPa	210
Modulus of elasticity (perpendicular)	ISO 178	MPa	8000
Compressive Strength (perpendicular)	ISO 604	MPa	200
Impact strength (Charpy) parallel	ISO 179	kJ/m <sup>2</sup>	150
Tensile strength	ISO 527	MPa	120
<b>Electrical properties</b>			
Electric strength at 90°C in oil (perpendicular)	IEC 60243	kV/mm	14
Electric strength at 90°C in oil (parallel)	IEC 60243	kV	46
Permittivity at 48 Hz-62Hz	ASTM D-150		4.5
Permittivity at 1 MHz	ASTM D-150		5
Dissipation factor at 48Hz-62Hz	ASTM D-150		0.0092
Dissipation factor at 1MHz	ASTM D-150		0.00372
Proof tracking index	IEC 60112	PTI	500
Comparative tracking index	IEC 60112	CTI	600
<b>Physical properties</b>			
Thermal endurance	IEC 60216	T.I.(C°)	155
Flammability	UL-94	3 mm	V0
Water absorption	ISO 62	mg (3 mm)	82