

**Technical Data Sheet 1102-2**

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

Properties	Test method	Unit	1102-2
Fibre reinforcement	-	-	mat
Specific gravity	ISO 1183	g/cm <sup>3</sup>	1.78
Standard colour	-	-	white/grey
DIN 7735 type	-	-	HM 2471
EN 60893/IEC 893 type	-	-	UPGM202
Nema-LI.1 Grade	-	-	GPO2
<b>Mechanical properties</b>			
Flexural strength	ISO 178	MPa	130
Modulus of elasticity in flexure	ISO 178	MPa	7000
Tensile strength	ISO 527	MPa	60
Compressive Strength (perpendicular)	ISO 604	MPa	175
Impact strength (Charpy) parallel to laminate	ISO 179	kJ/m <sup>2</sup>	80
<b>Electrical properties</b>			
Dielectric strength ( 90°C in oil) perpendicular to laminate	DIN 53481	KV/mm	13
Dielectric strength ( 90°C in oil) parallel to laminate	DIN 53481	KV	50
Surface resistivity	ASTM D-257	Ω	10 <sup>12</sup>
Arc resistance	ASTM D-495	sec.	180
<b>Thermal properties</b>			
Temperature endurance	IEC 60216	T.I. (°C)	130
Flame resistance	UL-94	3 mm	V0