

**Technical Data Sheet 1102-3**

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

Properties	Test method	Unit	1102-3
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	160
Modulus of elasticity in flexure	ISO 178	MPa	8000
Tensile strength	ISO 527	MPa	80
Compressive Strength (perpendicular)	ISO 604	MPa	175
<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 resistance	ASTM D-257	Ω	10 <sup>12</sup>
Comparative tracking index	IEC 60112	CTI	600
Proof tracking index	IEC 60112	PTI	500
Arc resistance	ASTM D-495	sec.	180
<b>Physical properties</b>			
Temperature endurance	IEC 60216	T.I. (°C)	130
Water absorption	ASTM D-570	%	0.3
Flame resistance	UL-94	3 mm	V0

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