

Technical Data Sheet 1103-3

Standard sizes	2260x1160	mm
Thickness	0.8-125	mm

Properties	Test method	Unit	1103-3
Fibre reinforcement	-	-	mat
Specific gravity	ISO 1183	g/cm3	1.8
Standard colour	-	-	White/Red/Grey/Black
DIN 7735 type	-	-	HM 2471
EN 60893/IEC 893 type	-	-	UPGM203
Nema-LI.1 Grade	-	-	GPO3
Mechanical properties			
Flexural strength	ISO 178	MPa	180
Modulus of elasticity in flexure	ISO 178	MPa	8000
Tensile strength	ISO 527	MPa	80
Tensile modulus	ISO 527	GPa	10
Compressive Strength (perpendicular)	ISO 604	MPa	180
Impact strength (Charpy) parallel	ISO 179	kJ/m2	90
Electrical properties			
Dielectric strength (90°C in oil) perpendicular to laminate	DIN 53481	KV/mm	14
Dielectric strength (90°C in oil) parallel to laminate	DIN 53481	KV	50
Surface resistivity	ASTM D-257	Ω	10 ¹²
Comparative traking index	IEC 60112	CTI	600
Proof traking index	IEC 60112	PTI	500
Arc resistance	ASTM D-495	sec.	180
Physical properties			
Temperature endurance	IEC 60216	T.I. (°C)	155
Water absorption	ASTM D-570	%	0.27
Flame resistance	UL-94	3 mm	V0

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