

Technical Data Sheet

Durostone[®] EPX -M S11

GFK-EP

Typical industries

- Generator and Motor
- Healthcare
- Electrical Industry
- Mechanical Engineering Industry
- Oil-filled transformers

	Test method	Unit	Guideline value
Mechanical properties			
Density	ISO 1183	g / cm ³	2,1
Flexural strength [⊥]	ISO 178	MPa	600
Flexural strength [⊥] +150°C	ISO 178	MPa	300
Modulus of elasticity in flexion [⊥]	ISO 178	MPa	30000
Compressive strength (tangential)	ISO 604	MPa	450
Compressive strength (axial)	ISO 604	MPa	90
Compressive strength (radial)	ISO 604	MPa	90
Tensile strength II RT	ISO 527	MPa	600
Thermal properties			
Flammability	UL 94	/	V0 (> 8mm)
Temperature index	IEC 60216	T.I.	180
Insulation class	IEC 60085	/	H
Dielectrical properties			
Electric strength 90°C under oil [⊥]	IEC 60243	kV / mm	5
Electric strength 90°C under oil II	IEC 60243	kV/25mm	35
Comparative tracking index	IEC 60112	CTI	600

[⊥] = perpendicular to the lamination II = parallel to the lamination

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