

Technical Data Sheet

Durostone[®] Tubes EPC 22

GFK-EP

Typical characteristics

- Good mechanical properties
- Good electrical properties
- Epoxy (EP) resin matrix reinforced with an e-glass fine fabric
- EN 61212 compliant (EPGC 22)

Typical industries

- Dry transformers
- Electrical Industry
- Electrical Insulating Components
- Oil-filled transformers
- Pipelines

	Test method	Unit	Guideline value
Mechanical properties			
Flexural strength [⊥]	ISO 178	MPa	320
Compressive strength (axial)	ISO 604	MPa	175
Thermal properties			
Temperature index	IEC 60216	T.I.	155°C
Insulation class	IEC 60085	/	F
Physical properties			
Density	ISO 1183	g / cm ³	1,7 - 1,8
Water absorption (3 mm thickness)	ISO 62	mg	0,8
Dielectrical properties			
Electric strength 90°C under oil [⊥]	IEC 60243	kV / mm	7,7
Electric strength 90°C under oil II	IEC 60243	kV/25mm	40
Relative permittivity (50 Hz)	IEC 60250	ε _r	5,2
Insulation resistance after 24 h water immersion	IEC 60167	Ω	10 ⁹
Dissipation factor (50 Hz)	IEC 60250	tan δ	0,04

