

Technical Data Sheet

Durostone[®] Tubes EPC 22H

GFK-EP

Typical characteristics

- Good mechanical properties
- Good electrical properties
- Epoxy (EP) resin matrix reinforced with an e-glass fabric

Typical industries

- Trasformatori a secco
- Industria elettrica
- Isolanti elettrici
- Trasformatori in olio
- Oleodotti

	Test method	Unit	Guideline value
Mechanical properties			
Density	ISO 1183	g / cm ³	1.70 - 1.90
Flexural strength [⊥]	ISO 178	MPa	250
Compressive strength [⊥]	ISO 604	MPa	175
Flexural strength [⊥] +180°C	ISO 178	MPa	180
Cohesion between layers	PN-EN 61212-2	MPa	200
Thermal properties			
Temperature index	IEC 60216	T.I.	180
Physical properties			
Water absorption	PN-EN 61212-2	mg/cm ²	< 1.5
Dielectrical properties			
Electric strength 90°C under oil [⊥]	IEC 60243	kV / mm	13
Electric strength 90°C under oil II	IEC 60243	kV/25mm	60
Insulating resistance	IEC 60093	Ω	10 ¹⁰
Dissipation factor (50 Hz)	IEC 60250	tan δ	0.02

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

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