

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

- Dry transformers
- 전기 산업
- Electrical Insulating Components
- · Oil-filled transformers
- Pipelines

	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 ¹ +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 absoprtion	PN-EN 61212-2	mg/cm²	< 1.5
Dielectrical properties			7
Electric strength 90°C under oil ¹	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

 $^{^{\}perp}$ = perpendicular to the lamination II = parallel to the lamination

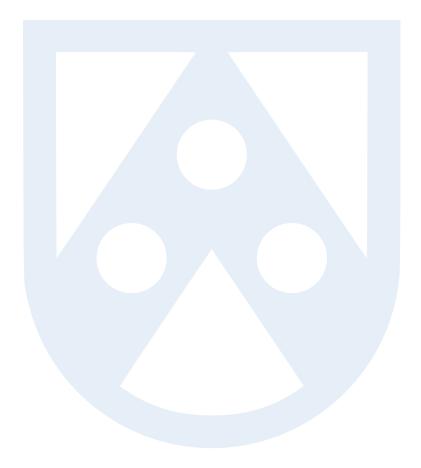
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