

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
- Electrical Industry
- 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 [⊥] +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 II = parallel to the lamination

The data stated above are average values verified on the basis of regular statistical tests and controls. All information in this publication is based on current technical knowledge and experience. Due to the large number of possible influences during processing and application, it does not exempt the user/processor from carrying out their own tests and trials. Responsibility for the evaluation of the end product for the intended use and compliance with the applicable relevant legal requirements lies exclusively with the user/processor as well as the distributor of the respective product/end product. Suggested uses do not constitute an assurance of suitability for the recommended purpose. The information in this publication and our declarations in Connection with this publication do not constitute acceptance of a guaranteed or warranted characteristic. Guarantee declarations require our separate express written declaration in order to be effective. We reserve the right to adapt the product to technical progress and new developments. The products described in this publication are only sold to customers with the appropriate expertise and not to consumers. Please do not hesitate to contact us if you have any questions or if you experience any specific application problems. If the application for which our products are used is subject to an official approval requirement, the

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