

## **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 <sup>3</sup>	1.70 - 1.90
Flexural strength <sup>1</sup>	ISO 178	MPa	250
Compressive strength $^\perp$	ISO 604	MPa	175
Flexural strength <sup>⊥</sup> +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			
Electric strength 90°C under oil <sup>1</sup>	IEC 60243	kV / mm	13
Electric strength 90°C under oil II	IEC 60243	kV/25mm	60
Insulating resistance	IEC 60093	Ω	1010
Dissipation factor (50 Hz)	IEC 60250	tan δ	0.02

<sup>=</sup> perpendicular to the lamination  $\mbox{II}$  = parallel to the lamination

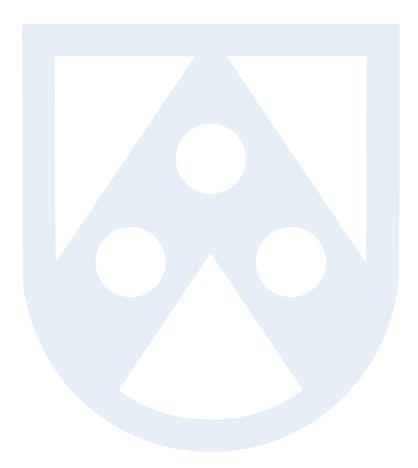
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