

Technický datový list

Durostone[®] Tubes EPC 22

GFK-EP

Vlastnosti produktu

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

Typické oblasti použití

- Suché transformátory
- Elektrotechnický průmysl
- Elektrické izolační konstrukční díly
- Olejové transformátory
- Potrubí

	Testovací metoda	Jednotka	Orientační hodnota
Mechanické vlastnosti			
Pevnost v ohybu [⊥]	ISO 178	MPa	320
Pevnost v tlaku (axiální)	ISO 604	MPa	175
Tepelné vlastnosti			
Teplotní index	IEC 60216	T.I.	155°C
Izolační třída	IEC 60085	/	F
Fyzikální vlastnosti			
Hustota	ISO 1183	g / cm ³	1,7 - 1,8
Absorpce vody (3 mm tloušťka)	ISO 62	mg	0,8
Dielektrické vlastnosti			
Elektrická pevnost 90 °C v olejové lázni [⊥]	IEC 60243	kV / mm	7,7
Elektrická pevnost 90 °C v olejové lázni II	IEC 60243	kV/25mm	40
Relativní permitivita (50 Hz)	IEC 60250	ε _r	5,2
Izolační odolnost po 24 h ponoření do vody	IEC 60167	Ω	10 ⁹
Ztrátový činitel (50 Hz)	IEC 60250	tan δ	0,04

[⊥] = 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

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