

Technický datový list

Durostone[®] EPC 203

GFK-EP

Vlastnosti produktu

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

Typické oblasti použití

- Generátory a motory
- Olejové transformátory
- Suché transformátory
- Elektrotechnický průmysl
- Elektrické izolační konstrukční díly

	Testovací metoda	Jednotka	Orientační hodnota
Mechanické vlastnosti			
Hustota	ISO 1183	g / cm ³	1,85
Pevnost v ohybu \perp	ISO 178	MPa	450
Pevnost v ohybu \perp +150 °C	ISO 178	MPa	230
Modul pružnosti v ohybu \perp	ISO 178	MPa	23000
Modul pružnosti v ohybu \perp +150 °C	ISO 178	MPa	18000
Pevnost v tlaku \perp	ISO 604	MPa	500
Pevnost v tahu II	ISO 527	MPa	350
Rázová houževnatost II (Charpy)	ISO 179	kJ / m ²	100
Tepelné vlastnosti			
Teplotní index	IEC 60216	T.I.	155
Izolační třída	IEC 60085	/	F
Fyzikální vlastnosti			
Absorpce vody (4 mm tloušťka)	ISO 62	%	< 0,1
Dielektrické vlastnosti			
Elektrická pevnost 90 °C v olejové lázni \perp	IEC 60243	kV / mm	16
Elektrická pevnost 90 °C v olejové lázni II	IEC 60243	kV/25mm	70
Izolační odpor	IEC 60167	Ω	10 ¹⁴
Měrný povrchový odpor	IEC 60093	Ω	5 x 10 ¹⁰
Srovnávací sledovací index	IEC 60112	CTI	180

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	Testovací metoda	Jednotka	Orientační hodnota
Izolační odolnost po 24 h ponoření do vody	IEC 60167	Ω	10 ¹²

⊥ = perpendicular to the lamination || = 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 user/processor is responsible for obtaining these approvals. Our application recommendations do not exempt the user/processor from the obligation to examine and, if necessary, clarify the possibility of infringements of third-party rights. In all other respects, we refer to our General Terms and Conditions (GTC). These are available at: www.roechling-industrial.com/gtc



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