

Technický datový list

Durostone[®] EPC 308

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
- Elektrotechnický průmysl
- Elektrické izolační konstrukční díly
- Ropa a plyn

	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	400
Rázová houževnatost II (Charpy)	ISO 179	kJ / m ²	100
Tepelné vlastnosti			
Teplotní index	IEC 60216	T.I.	180
Izolační třída	IEC 60085	/	H
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	80
Měrný povrchový odpor	IEC 60093	Ω	5×10^{10}
Srovnávací sledovací index	IEC 60112	CTI	180

\perp = 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

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