

Technický datový list

Durostone[®] EPM 203

GFK-EP

Vlastnosti produktu

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

Typické oblasti použití

- Generátory a motory
- Obnovitelné energie
- Elektrotechnický průmysl
- Větrná energie
- Elektrické izolační konstrukční díly
- Hydrogen Energy
- Balistika

	Testovací metoda	Jednotka	Orientační hodnota
Mechanické vlastnosti			
Hustota	ISO 1183	g / cm ³	1,85
Pevnost v ohybu \perp	ISO 178	MPa	360
Pevnost v ohybu \perp +150 °C	ISO 178	MPa	180
Modul pružnosti v ohybu \perp	ISO 178	MPa	20000
Modul pružnosti v ohybu \perp +150 °C	ISO 178	MPa	15000
Pevnost v tlaku \perp	ISO 604	MPa	500
Pevnost v tahu II	ISO 527	MPa	280
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	13
Elektrická pevnost 90 °C v olejové lázni II	IEC 60243	kV/25mm	70
Měrný povrchový odpor	IEC 60093	Ω	10 ¹³

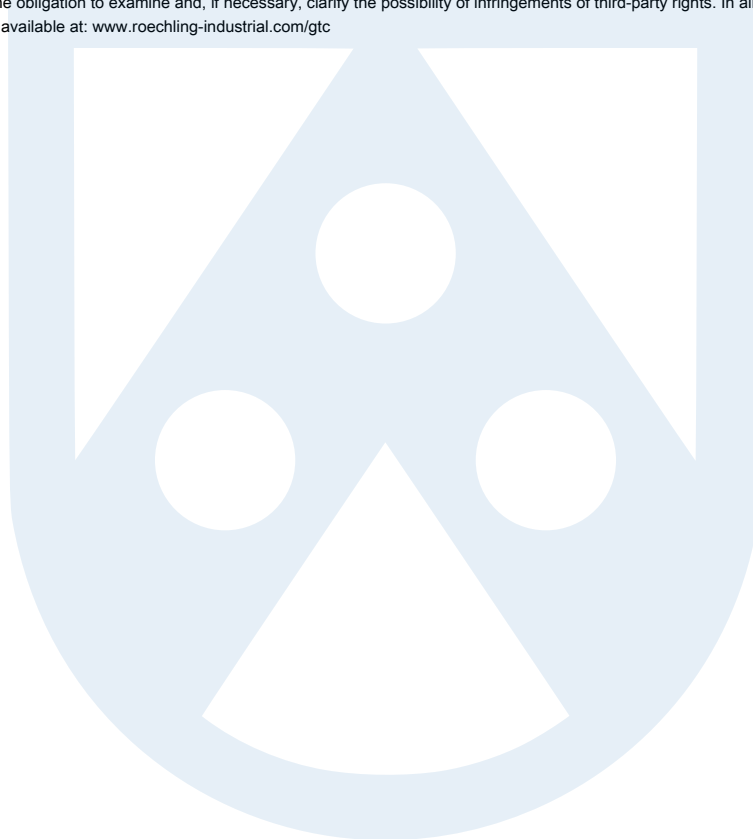
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	Testovací metoda	Jednotka	Orientační hodnota
Srovnávací sledovací index	IEC 60112	CTI	400

⊥ = perpendicular to the lamination || = parallel to the lamination

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