

Technický datový list

Durostone[®] EPR S7

GFK-EP

Vlastnosti produktu

- DIN EN 60893 compliant

Typické oblasti použití

- Potrubí
- Elektrotechnický průmysl
- Zdravotní péče
- Elektrické izolační konstrukční díly
- Topside
- Balistika

	Testovací metoda	Jednotka	Orientační hodnota
Obecné vlastnosti			
Hustota	DIN EN ISO 1183-1	g / cm ³	1,9
Mechanické vlastnosti			
Pevnost v ohybu [⊥]	ISO 178	MPa	500
Pevnost v ohybu [⊥] +150 °C	ISO 178	MPa	250
Modul pružnosti v ohybu ^{1) ⊥}	ISO 178	MPa	22500
Modul pružnosti v ohybu [⊥] +150 °C	ISO 178	MPa	17000
Pevnost v tlaku [⊥]	ISO 604	MPa	500
Pevnost v tahu II RT	ISO 527	MPa	350
Rázová houževnatost II (Charpy)	ISO 179	kJ / m ²	250
Tepelné vlastnosti			
Tepelná vodivost	DIN 52612	W/m K	0,35
Součinitel lineární roztažnosti [⊥]	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	40-60
Součinitel lineární roztažnosti II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	15-30
Teplotní index	IEC 60216	T.I.	155
Izolační třída	IEC 60085	/	F
Fyzikální vlastnosti			
Absorpce vody (metoda 1)	ISO 62	%	0,2
Dielektrické vlastnosti			

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	Testovací metoda	Jednotka	Orientační hodnota
Elektrická pevnost 90 °C v olejové lázni [⊥]	IEC 60243	kV / mm	12
Elektrická pevnost 90 °C v olejové lázni II	IEC 60243	kV/25mm	60
Srovnávací index sledování (testovací roztok A)	IEC 60112	CTI	600

[⊥] = perpendicular to the lamination II = parallel to the lamination

1) Sample size 80 x 10 x 4 mm, support distance 64 mm, tension zone unmachined

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