

Technický datový list

Durostone® UPR S19

GFK-UP

Vlastnosti produktu

- High mechanical strength
- High dielectric strength
- Vinyl ester (VE) thermoset reinforced with e-glass fabric

Typické oblasti použití

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

	Testovací metoda	Jednotka	Orientační hodnota
Mechanické vlastnosti			
Hustota	ISO 1183	g / cm ³	1,95
Pevnost v ohybu [⊥]	ISO 178	MPa	470
Modul pružnosti v ohybu [⊥]	ISO 178	MPa	25000
Pevnost v tlaku [⊥]	ISO 604	MPa	450
Pevnost v tlaku II	ISO 604	MPa	250
Pevnost v tahu II	ISO 527	MPa	400
Rázová houževnatost II (Charpy)	ISO 179	kJ / m ²	200
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 [⊥]	IEC 60243	kV / mm	15
Elektrická pevnost 90 °C v olejové lázni II	IEC 60243	kV/25mm	75
Relativní permitivita (50 Hz)	IEC 60250	ε _r	≈ 5
Měrný povrchový odpor	IEC 60093	Ω	10 ¹⁰
Srovnávací sledovací index	IEC 60112	CTI	600

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

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