

Technický datový list

Durostone[®] UPM S16

GFK-UP

Vlastnosti produktu

- High-pressure laminate
- Special polyester (UP) resin matrix reinforced with an e-glass roving mat
- High mechanical strength
- High dielectric strength
- Flame retardant

Typické oblasti použití

- Spínací zařízení

	Testovací metoda	Jednotka	Orientační hodnota
Mechanické vlastnosti			
Hustota	ISO 1183	g / cm ³	1,87
Pevnost v ohybu [⊥]	ISO 178	MPa	200
Modul pružnosti v ohybu [⊥]	ISO 178	MPa	13000
Pevnost v tlaku [⊥]	ISO 604	MPa	300
Pevnost v tlaku II	ISO 604	MPa	180
Pevnost v tahu II	ISO 527	MPa	100
Rázová houževnatost II (Charpy)	ISO 179	kJ / m ²	100
Tepelné vlastnosti			
Hořlavost	UL 94	/	V0 / 3mm
Fyzikální vlastnosti			
Absorpce vody (4 mm tloušťka)	ISO 62	%	0,2
Dielektrické vlastnosti			
Elektrická pevnost 90 °C v olejové lázni [⊥]	IEC 60243	kV / mm	12
Elektrická pevnost 90 °C v olejové lázni II	IEC 60243	kV/25mm	75
Měrný povrchový odpor	IEC 60093	Ω	10 ¹³
Srovnávací sledovací index	IEC 60112	CTI	600

[⊥] = 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 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.

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