

## Technický datový list

Durostone<sup>®</sup> EPF S3

GFK-EP

## Vlastnosti produktu

- EPGC 202 (IEC 60893)
- FR-4 (NEMA)

## Typické oblasti použití

- Generátory a motory
- Olejové transformátory
- Suché transformátory
- Elektrotechnický průmysl
- Elektrické izolační konstrukční díly

	Testovací metoda	Jednotka	Orientační hodnota
<b>Mechanické vlastnosti</b>			
Hustota	ISO 1183	g / cm <sup>3</sup>	1,90
Pevnost v ohybu <sup>⊥</sup>	ISO 178	MPa	540
Modul pružnosti v ohybu <sup>⊥</sup>	ISO 178	MPa	24000
Pevnost v tlaku <sup>⊥</sup>	ISO 604	MPa	580
Pevnost v tahu II	ISO 527	MPa	440
Rázová houževnatost II (Charpy)	ISO 179	kJ / m <sup>2</sup>	90
<b>Tepelné vlastnosti</b>			
Hořlavost	UL 94	/	V0
Teplotní index	IEC 60216	T.I.	130
Izolační třída	IEC 60085	/	B
<b>Fyzikální vlastnosti</b>			
Absorpce vody	ISO 62	%	0,1
<b>Dielektrické vlastnosti</b>			
Elektrická pevnost 90 °C v olejové lázni <sup>⊥</sup>	IEC 60243	kV / mm	16
Elektrická pevnost 90 °C v olejové lázni II	IEC 60243	kV/25mm	60
Srovnávací sledovací index	IEC 60112	CTI	180
Izolační odolnost po 24 h ponoření do vody	IEC 60167	Ω	5 x 10 <sup>12</sup>
Relativní permitivita (50 Hz / 1 MHz)	IEC 60250	ε <sub>r</sub>	5
Dielektrický ztrátový činitel (50 Hz / 1 MHz)	IEC 60250	tan δ	0,01

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L = perpendicular to the lamination II = parallel to the lamination

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