

Technický datový list

Durostone[®] EPR S5

GFK-EP

Typické oblasti použití

- Akvakultura
- Výroba nádrží a zařízení pro chemický průmysl
- Zvedací šneky pro čističky odpadních vod

	Testovací metoda	Jednotka	Orientační hodnota
Mechanické vlastnosti			
Hustota	ISO 1183	g / cm ³	1,9
Pevnost v ohybu [⊥]	ISO 178	MPa	500
Modul pružnosti v ohybu [⊥]	ISO 178	MPa	20000
Pevnost v tlaku [⊥]	ISO 604	MPa	300
Pevnost v tahu II	ISO 527	MPa	400
Rázová houževnatost II (Charpy)	ISO 179	kJ / m ²	100
Delaminační síla II	DIN 53463	N	4000
Tepelné vlastnosti			
Tepelná vodivost [⊥]		W / (m * K)	0,3
Součinitel lineární roztažnosti II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	10 - 20
Teplotní index	IEC 60216	T.I.	180
Izolační třída	IEC 60085	/	H
Dielektrické vlastnosti			
Elektrická pevnost 90 °C v olejové lázni [⊥]	IEC 60243	kV / mm	13
Relativní permitivita (50 Hz)	IEC 60250	ε _r	≈ 5
Měrný povrchový odpor	IEC 60093	Ω	10 ¹³
Měrný objemový odpor	IEC 60093	Ω x cm	10 ¹⁴
Srovnávací sledovací index	IEC 60112	CTI	225

[⊥] = 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

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Print: 16/06/2026 • Vydáno: 20/09/2023
 PIM-ID: 710053 • PIM-kód: 1103-20-5.9.7-13
 Company-IDs: 20000-1

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