

テクニカルデータシート

Durostone[®] EPM S7

GFK-EP

製品の特徴

- Eガラスマットで強化されたエポキシ樹脂
- 良好な機械特性
- 良好な電気特性

製品の用途例

- 発電機およびモーター
- HVDC 送電
- 建築
- 上甲板
- 電気

	試験法	単位	値
機械的物性			
密度	ISO 1183	g / cm ³	1,85
曲げ強度 [⊥]	ISO 178	MPa	360
たわみ荷重弾性係数 [⊥]	ISO 178	MPa	20000
圧縮強度 [⊥]	ISO 604	MPa	500
引張強度II	ISO 527	MPa	280
衝撃強度(シャルピー衝撃試験)II	ISO 179	kJ / m ²	100
熱的物性			
線膨張係数 II	TMA (Mettler)	10 ⁻⁶ x K ⁻¹	10 - 20
温度指数	IEC 60216	T.I.	180
絶縁階級	IEC 60085	/	H
機械的特性			
吸水率 (4mm厚)	ISO 62	%	< 0,2
電気的特性			
油中耐電圧90°C [⊥]	IEC 60243	kV / mm	13
油中耐電圧90°CII	IEC 60243	kV/25mm	70
比誘電率 (50Hz)	IEC 60250	ε _r	5
表面固有抵抗	IEC 60093	Ω	10 ¹³
体積固有抵抗	IEC 60093	Ω x cm	10 ¹⁴
比較トラッキング指数	EN 60112	CTI	400

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

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