

テクニカルデータシート

Durostone[®] EPM 204

GFK-EP

製品の特徴

- Eガラス製のローピングで補強された特殊エポキシ樹脂
- 耐火性
- 良好な機械加工性

製品の用途例

- ソーラエネルギー
- 再生エネルギー
- 電気絶縁
- 電気

	試験法	単位	値
機械的物性			
曲げ強度 [⊥]	ISO 178	MPa	360
曲げ強度 [⊥] +150°C	ISO 178	MPa	200
たわみ荷重弾性係数 [⊥]	ISO 178	MPa	18000
たわみ荷重弾性係数 [⊥] +150°C	ISO 178	MPa	12000
圧縮強度 [⊥]	ISO 604	MPa	450
圧縮強度II	ISO 604	MPa	300
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	120
せん断強度 [⊥]	IEC 60893	MPa	150
せん断強度 II	IEC 60893	MPa	25
熱的物性			
温度指数	IEC 60216	T.I.	180
線膨張係数 [⊥]	NF T 51221	10 ⁻⁶ x K ⁻¹	13
線膨張係数 II	NF T 51221	10 ⁻⁶ x K ⁻¹	65
Temperature of deflection under load	IEC 893-2	°C	> 200
熱伝導率	ISO 8302	W/m K	0,36
Flame resistance properties			
燃焼性	NF P92-507	-	M1
燃焼性	UL94	-	V0
Smoke index	NF P 92501	-	F1

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	試験法	単位	値
機械的特性			
密度	ISO 1183	g / cm ³	1,9
吸水率 (10mm厚)	ISO 62	%	0,20
電気的特性			
油中耐電圧90°C [⊥]	IEC 60243	kV / mm	12
油中耐電圧90°CII	IEC 60243	kV/25mm	60
比誘電率 (50Hz)	IEC 60250	ϵ_r	5
誘電損率 (50 Hz)	IEC 60250	tan δ	0,05
表面固有抵抗	IEC 60093	Ω	10 ¹²
体積固有抵抗	IEC 60093	$\Omega \times \text{cm}$	10 ¹³
比較トラッキング指数	IEC 60112	CTI	400

[⊥] = 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. Responsibility for the evaluation of the end product for the intended use and compliance with the applicable relevant legal requirements lies exclusively with the user/processor as well as the distributor of the respective product/end product. Suggested uses do not constitute an assurance of suitability for the recommended purpose. The information in this publication and our declarations in Connection with this publication do not constitute acceptance of a guaranteed or warranted characteristic. Guarantee declarations require our separate express written declaration in order to be effective. We reserve the right to adapt the product to technical progress and new developments. The products described in this publication are only sold to customers with the appropriate expertise and not to consumers. Please do not hesitate to contact us if you have any questions or if you experience any specific application problems. If the application for which our products are used is subject to an official approval requirement, the user/processor is responsible for obtaining these approvals. Our application recommendations do not exempt the user/processor from the obligation to examine and, if necessary, clarify the possibility of infringements of third-party rights. In all other respects, we refer to our General Terms and Conditions (GTC). These are available at: www.roechling-industrial.com/gtc

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