

## テクニカルデータシート

Durostone<sup>®</sup> EPR S1

## 製品の特徴

- 高い機械的強度
- 極めて高い機械的強度および絶縁耐力

## 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
<b>機械的物性</b>			
密度	ISO 1183	g / cm <sup>3</sup>	1,9
曲げ強度 <sup>⊥</sup>	ISO 178	MPa	500
たわみ荷重弾性係数 <sup>⊥</sup>	ISO 178	MPa	20000
圧縮強度 <sup>⊥</sup>	ISO 604	MPa	300
引張強度II	ISO 527	MPa	400
衝撃強度(シャルピー衝撃試験)II	ISO 179	kJ / m <sup>2</sup>	100
Delamination force II	DIN 53463	N	4000
<b>熱的物性</b>			
熱伝導率 <sup>⊥</sup>		W / (m * K)	0,3
線膨張係数 II	TMA (Mettler)	10 <sup>-6</sup> x K <sup>-1</sup>	10 - 20
温度指数	IEC 60216	T.I.	180
絶縁階級	IEC 60085	/	H
<b>電気的特性</b>			
油中耐電圧90°C <sup>⊥</sup>	IEC 60243	kV / mm	13
比誘電率 (50Hz)	IEC 60250	ε <sub>r</sub>	≈ 5
表面固有抵抗	IEC 60093	Ω	10 <sup>13</sup>
体積固有抵抗	IEC 60093	Ω x cm	10 <sup>14</sup>
比較トラッキング指数	IEC 60112	CTI	225

<sup>⊥</sup> = 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

## Röchling Industrial SE &amp; Co. KG

Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0  
info@roechling-plastics.com • www.roechling.com/industrial/haren

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