

## テクニカルデータシート

Lignostone<sup>®</sup> L I/2-E3-HQ (P2R)

Laminated Densified Wood

## 製品の特徴

- 高品質な赤ブナを使用
- 高い機械的強度および軽量性

## 製品の用途例

- 変圧器
- 電気
- 電気絶縁
- 変圧器用 Lignostone Transformerwood
- 油入変圧器

	試験法	単位	値
<b>機械的物性</b>			
密度	IEC 61061	g / cm <sup>3</sup>	0,95
曲げ強度 <sup>1)</sup> ⊥	IEC 61061	MPa	150
たわみ荷重弾性係数	IEC 61061	MPa	12000
圧縮強度 <sup>⊥</sup>	ISO 604	MPa	120
圧縮強度II	ISO 604	MPa	70
せん断強度 II	IEC 61061	MPa	10
<b>熱的物性</b>			
熱伝導率	DIN 52612	W/m K	0,22
連続使用温度	DIN 7707	°C	105
乾燥時の上限温度	DIN 7707	°C	130
<b>機械的特性</b>			
吸油率	IEC 61061	%	25
含水率	IEC 61061	%	5
<b>電気的特性</b>			
油中耐電圧90°C <sup>⊥</sup>	IEC 61061	kV / mm	17
油中耐電圧90°CII	IEC 61061	kV/25mm	80
比誘電率 (50Hz)	IEC 60250	ε <sub>r</sub>	3,7
誘電損率 (50 Hz)	IEC 60250	tan δ	0,01
体積固有抵抗	IEC 60093	Ω x cm	10 <sup>12</sup>

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L = perpendicular to the lamination  
|| = parallel to the lamination

<sup>1)</sup> Minimum 4 longitudinal layers in the tension zone

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](http://www.roechling-industrial.com/gtc)



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