

テクニカルデータシート

Lignostone[®] L I/2-E3-TQ

Laminated Densified Wood

製品の特徴

- 積層圧縮木材
(IEC61061規格P2R)
- 最高品質の赤ブナを使用(平行積み)
- 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
機械的物性			
密度	IEC 61061	g / cm ³	0.95
曲げ強度 ^{1)⊥}	IEC 61061	MPa	150
たわみ荷重弾性係数	IEC 61061	MPa	12000
圧縮強度 [⊥]	ISO 604	MPa	120
圧縮強度II	ISO 604	MPa	70
せん断強度 II	IEC 61061	MPa	10
熱的物性			
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
機械的特性			
吸油率	IEC 61061	%	25
含水率	IEC 61061	%	5
電気的特性			
油中耐電圧90°C [⊥]	IEC 61061	kV / mm	18
油中耐電圧90°CII	IEC 61061	kV/25mm	90
比誘電率 (50Hz)	IEC 60250	ε _r	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 ¹²

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

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

¹⁾ Minimum 4 longitudinal layers in the tension zone

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Print: 16/06/2026 • Release: 30/06/2025 • Version: 5.0
PIM-ID: 715336 • PIM-Code: 61-37-11.10.10-5.11.7.7.6-21
Company-IDs: 20000-1

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