

テクニカルデータシート

Lignostone[®] L X-2-E3-HQ

Laminated Densified Wood

製品の特徴

- 高い機械的強度および軽量性
- 高品質な赤ブナを使用
- 積層圧縮木材
(IEC61061規格T2R)

製品の用途例

- 電気
- 電気絶縁
- 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) ⊥}	ISO 178	MPa	130
たわみ荷重弾性係数	ISO 178	MPa	11 000
圧縮強度 [⊥]	ISO 604	MPa	120
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	17
油中耐電圧90°CII	IEC 61061	kV/25mm	80
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

⊥ = perpendicular to the lamination II = parallel to the lamination

¹⁾ Sample size for flexural strength and modulus of elasticity in flexure is 120 x 15 x 10 mm (Mechanical value depends on the average ring diameter)

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Print: 02/05/2026 • Release: 30/06/2025 • Version: 4.0
PIM-ID: 751419 • PIM-Code: 25-37-10.9.8-11.7.6-22
Company-IDs: 20000-1

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