

テクニカルデータシート

Lignostone[®] L I/2-E3-SQ (P1R)

Laminated Densified Wood

製品の特徴

- 積層圧縮木材
(IEC61061規格P1R)
- 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
- 油入変圧器

	試験法	単位	値
機械的物性			
密度	IEC 61061	g / cm ³	0.85
曲げ強度 ^{1) ⊥}	ISO 178	MPa	140
たわみ荷重弾性係数	IEC 61061	MPa	11000
圧縮強度 [⊥]	ISO 604	MPa	100
圧縮強度II	ISO 604	MPa	55
せん断強度 II	IEC 61061	MPa	8
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	%	30
含水率	IEC 61061	%	5
電気的特性			
油中耐電圧90°C [⊥]	IEC 61061	kV / mm	15
油中耐電圧90°CII	IEC 61061	kV/25mm	70
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

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¹⁾ Minimum 4 longitudinal layers in the tension zone

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