

Technical Data Sheet

Lignostone® L II/2-E3-TQ

Typical characteristics

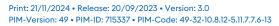
- High mechanical strength at low density
- Laminated densified wood C2R according to the standard IFC 61061
- Top red beech veneer quality; crosswise stacked

Typical industries

- Trasformatori
- Industria elettrica
- Isolanti elettrici
- Lignostone legno lamellare densificato
- Trasformatori in olio

	Test method	Unit	Guideline value
Mechanical properties			
Density	IEC 61061	g/cm ³	0,95
Flexural strength ¹	IEC 61061	MPa	110
Modulus of elasticity in flexion ¹	IEC 61061	MPa	9000
Compressive strength ¹	ISO 604	MPa	200
Compressive strength II	ISO 604	MPa	70
Shear strength II	IEC 61061	MPa	10
Thermal properties			
Thermal conductivity	DIN 52612	W/m K	0,22
Operating temperature continuous	DIN 7707	°C	105
Temperature limit when drying	DIN 7707	°C	140
Physical properties			
Oil absorption	IEC 61061	%	25
Moisture content	IEC 61061	%	5
Dielectrical properties			
Electric strength 90°C under oil ¹	IEC 61061	kV / mm	18
Electric strength 90°C under oil II	IEC 61061	kV/25mm	90
Relative permittivity (50 Hz)	IEC 60250	ε _r	3,7
Dielectric loss factor (50 Hz)	IEC 60250	tan δ	0,01

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	Test method	Unit	Guideline value
Specific volume resistance	IEC 60093	Ωxcm	10 ¹²

= perpendicular to the lamination II = parallel to the lamination

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