Technical Data Sheet

Trafoboard® HD-PH

Pressboard

Typical characteristics

- Phenolic-resin glued pressboard according to IEC 60763-3-1 type LB 3.1A.2
- Made from hot pressed transformer pressboard, 100% unbleached sulphate cellulose, according to IEC 60641-3-1 type 3.1
- Electrically insulating
- Good mechanical properties

Typical industries

- Transformer
- Electrical Industry
- Electrical Insulating Components
- Oil-filled transformers

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1.15 - 1.35
Mechanical properties			
Flexural strength ⊥ (MD)	IEC 60763-2	MPa	120
Flexural strength ⊥ (CMD)	IEC 60763-2	MPa	110
Flexural modulus ⊥ (MD)	IEC 60763-2	MPa	13000
Flexural modulus ⊥ (CMD)	IEC 60763-2	MPa	10500
Compressibility (C)	IEC 60763-2	%	2.6
Compressibility (Crev)	IEC 60763-2	%	93
Thermal properties			
Insulation class	IEC 60085	/	A
Physical properties			
Shrinkage (MD)	IEC 60763-2	%	0.20
Shrinkage (CMD)	IEC 60763-2	%	0.30
Shrinkage (Thickness)	IEC 60763-2	%	1.50
Moisture content	IEC 60763-2	%	< 5
Oil absorption	IEC 60763-2	%	10

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	Test method	Unit	Guideline value
pH of aqueous extract	IEC 60763-2	pH	7.1
Dielectrical properties			
Field strength at the onset of PD II	HS-OS ^1)	kV / mm	10
Conductivity of aqueous extract	IEC 60763-2	mS/m	7.1
Electric strength in oil at 90° C II	IEC 60243-1	kV / mm	> 9

MD = Machine Direction
CMD = Cross-Machine Direction
[1)] = contact us for further information

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