

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 \perp (MD)	IEC 60763-2	MPa	120
Flexural strength \perp (CMD)	IEC 60763-2	MPa	110
Flexural modulus \perp (MD)	IEC 60763-2	MPa	13000
Flexural modulus \perp (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



	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

