

Figeholm Elboard HD

Type B 3.1 in accordance to IEC 641-1

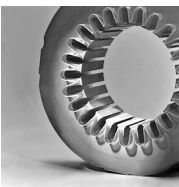
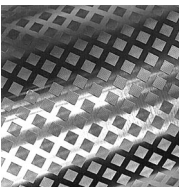
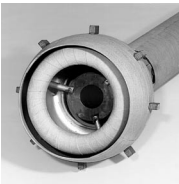
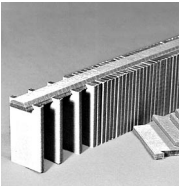
Features:

- **Insulation class A** (105 °C) in accordance to VDE 0530 Part 1
- Precompressed Transformerboard (in sheets) made from 100 % sulphate wood pulp, a very hard and rigid board, characterized by high purity and mechanical strength
- Natural-coloured
- Low shrinkage and compressibility
- Good compatibility with liquid dielectrics

Available:

- Standard sizes, trimmed on four sides

Pucaro-Format	Figeholm-Format
approx. 1100 mm x 2100 mm	approx. 1050 mm x 700 mm
approx. 1100 mm x 4200 mm	approx. 1050 mm x 2100 mm
approx. 2200 mm x 2100 mm	approx. 1050 mm x 4200 mm
approx. 2200 mm x 4200 mm	approx. 1600 mm x 2100 mm
	approx. 1600 mm x 4200 mm
	approx. 3200 mm x 1400 mm
	approx. 3200 mm x 2100 mm
	approx. 3200 mm x 4200 mm
- Special dimensions on request
- Available thicknesses 1 - 8 mm
- For thicknesses above 8 mm see technical data sheet laminated pressboard



Technical Data

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Material Properties:

	Unit	Data according to IEC 641-3-1 B 3.1		Test values*
Thickness	mm	≤1.6 mm > 1.6 - 8.0 mm	max. ± 7.5 % max. ± 5.0 %	1.06 2.99
Apparent density	g/cm ³	≤1.6 mm > 1.6 - 3.0 mm > 3.0 - 6.0 mm > 6.0 - 8.0 mm	1.00 - 1.20 1.10 - 1.25 1.15 - 1.30 1.20 - 1.30	1.09 1.15 1.19 1.23
Tensile strength	M.D. N/mm ²	≤1.6 mm > 1.6 - 3.0 mm > 3.0 - 8.0 mm	min. 100 min. 105 min. 110	107 128 126
Tensile strength	C.M.D.	≤1.6 mm > 1.6 - 3.0 mm > 3.0 - 8.0 mm	min. 75 min. 80 min. 85	77 83 87
Elongation	M.D. C.M.D. %		min. 3.0 min. 4.0	3.9 4.1
Shrinkage	M.D. C.M.D. Thickness %		max. 0.5 max. 0.7 max. 5.0	0.4 0.6 3.9
Moisture content	%		max. 6.0	4.2
Ash content	%		max. 1.0	0.3
Conductivity of aqueous extract	mS/m	≤1.6 mm > 1.6 - 3.0 mm > 3.0 - 7.0 mm > 7.0 - 8.0 mm	max. 5.0 max. 6.0 max. 8.0 max. 10.0	3.3 3.5 3.3 6.0
pH of aqueous extract			6.0 - 9.0	6.3
Oil absorption	%	≤1.6 mm > 1.6 - 3.0 mm > 3.0 - 8.0 mm	min. 11.0 min. 9.0 min. 7.0	13.7 10.6 9.9
Compressibility C	%	≤1.6 mm > 1.6 - 3.0 mm > 3.0 - 6.0 mm > 6.0 - 8.0 mm	max. 10.0 max. 7.5 max. 5.0 max. 4.0	9.4 5.7 4.5 3.9

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Material Properties:

	Unit	Data according to IEC 641-3-1 B 3.1		Test values*
Reversible part of C_{rev} compressibility	%	≤1.6 mm	min. 45	54
		> 1.6 - 3.0 mm	min. 50	66
		> 3.0 - 6.0 mm	min. 50	71
		> 6.0 - 8.0 mm	min. 50	75
Electric strength in oil	kV/mm	≤1.6 mm	min. 40	50
		> 1.6 - 3.0 mm	min. 35	45
		> 3.0 - 8.0 mm	min. 30	42

* These tests have been carried out on transformerboard thicknesses 1.0 mm, 3.0 mm, 4.0 mm and 7.0 mm.

The above values, which have been determined by careful tests, provide only general information. PUCARO has implemented several programs to assure the highest quality and reliability of this product. However, no responsibility is assumed for its use.

Technical Data

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