



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Figeholms/Pucaro Kraft Pressboard Products

Description: The following product descriptions offer a partial listing of the Figeholms/Pucaro grades of kraft pressboard products. For more information on the complete line of insulation materials, please do not hesitate to call TheGundCompany.

FigeholmHD:

A compressed pressboard made with an intermittent board machine using 100% sulphate wood pulp of particularly high chemical purity. This pressboard can generally be used in core types of transformers and capacitors as winding cylinders, washers, supports, axial and radial spacers, and phase barriers. Comparative material is oEHV Weidmann "Hi-Val."

FigeholmHDLP:

A laminated version of FigeholmHD utilizing polyethylene glue for adhesion of predried material. It is used primarily as pressure rings, winding support blocks, and spacer material.

PucaroZF:

A soft calendered pressboard comprised of 100% sulphate wood pulp available in sheets with even fibre orientation. It offers high purity and good wood compatibility with liquid dielectrics. Most commonly used as washers, barriers, and formed parts in transformers.

PucaroLD:

A non-calendered pressboard available in sheets with even fibre orientation. PucaroLD is a moldable pressboard made of 100% sulphate wood pulp. Used in transformer applications requiring a formable insulation material with good compatibility with liquid dielectrics.

Availability: TheGundCompany can fabricate a wide variety of transformer components from axial spacer sticks to radial spacers and barriers from Figeholm/Pucaro pressboard products. For more information, please call TheGundCompany or fax a drawing of your components and its specifications.

Key Characteristics:	Test Method:	Units - English (SI)	Pucaro ZF	Pucaro LD
Density	DIN7734	g/cc	1.0	0.90
Tensile Strength:MD	DIN7734	N/mm ²	90	90
CMD	DIN7734	N/mm ²	60	60
Oil Absorption	IEC641-2	%	25	35
Dielectric Strength:	DIN53483	VPM(kV/mm)	282(11)	256(10)
Conductivity	DIN53114	mS/m	4	4
Dissipation Factor	DIN53483	%	0.35	0.3
Dielectric Constant	DIN53483	----	4.0	3.8

All of the information, suggestions, and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation, warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.

Key Characteristics:	Test Method:	Units - English (SI)	Figeholm HD	Figeholm HDLP
Density	DIN7734	g/cc	1.0	0.90
TensileStrength:MD	DIN7734	N/mm ²	110	----
CMD	DIN7734	N/mm ²	85	----
AshContent	DIN7734	%,max.	0.5	1.0
Conductivity	DIN53114	mS/m	5	8
Shrinkage,Thickness		%	5.0	4.0
MoistureContent		%,max.	6.0	5.0

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