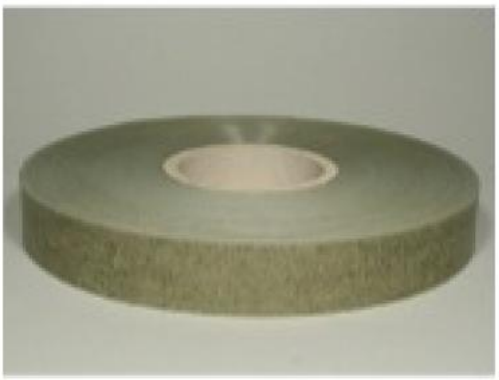
FIBRE BASED INSULATION MATERIALS

KARL SCHUPP AG

CONDUCT – PROTECT – INSULATE



Presspan is a product made from the cellulose of the purest, long-fiber woods. This is formed into a fiber fleece and then pressed. Due to its high chemical purity, pressed wood is used particular as an insulating material in electrical machines (resin-impregnated), capacitors (oil- or resin-impregnated) and especially in oil-filled transformers. The material properties allow classification in insulation class A (105°C) and are manufactured in accordance with the IEC standard. Depending on the thickness of the material, a distinction is made between sheet and roll pressboard.

Chipboard gray SS (Psp 3040) on rolls, sheet chipboard gray SS (Psp 3030)

Technical data:

Temp Class:

A (105°C)

Material:

calendered pressboard with balanced fiber direction
100% sulfate pulp, color grey, DIN 7733

		Test standard	Sample pretreatment	Unit	Measured value *	Standard value IEC 641-3
Thickness deviation		IEC 641-2	Standard climate 23/50	%	± 10	-
Raw density		IEC 641-2	Standard climate 23/50	g/cm3	1,25	1,15 - 1,25
Tensile strength unfolded min.	lengthwise	IEC 641-2	Standard climate 23/50	N/mm2	110	90
	across				70	50

	Test standard	Sample pretreatment	Unit	Measured value *	Standard value IEC 641-3	
Elongation unfolded min.	lengthwise	IEC 641-2	Standard climate 23/50	%	6	5,5
	across				12	5,5
Shrinkage max.	lengthwise	IEC 641-2	Standard climate 23/50	%	0,7	1,5
	across				1,2	7
	Thickness				5,5	-
Moisture content max.		IEC 641-2	Standard climate 23/50	%	6	8
Ash content max.		IEC 641-12	Standard climate 23/50	%	0,7	1
Conductivity of the aqueous extract		IEC 641-2	Delivery	mS/m	7	20
pH value of the aqueous extract		IEC 641-2	Delivery		7 - 9	6-9
Electrical breakdown voltage unfolded min.		IEC 641-2	Standard climate 23/50	kV/mm	12	11

* Average values, measured on 0.2 mm thick material

This information only provides general guidelines for use.

Dimensions:

Pressboard Psp 3030
0.1 - 5.0 mm thickness

Roll pressboard Psp 3040
0.1 - 1.0 mm thickness, tolerance ± 10%

Special thicknesses on request

Delivery formats:

Pressboard:
Psp3030 Sheets approx. 640 x 800 mm / approx. 800 x 1200 mm

Roll pressboard:
Psp 3040

Standard rolls:
640 mm or 1280 mm width

Narrow rolls:
From 4 mm width

Delivery formats:

Feathering:

possible

Item number:

Example: PSP3040/15/xxx.x
PSP3040 = pressboard Psp 3040
15 = thickness 0.15 mm
xxx.x = 022.5 = width 22.5 mm