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.

Brown Pressboard E (PSP 3020) and Brown Pressboard E (PSP 3010)

Specifications

Temp Class:

A (105°C)

Material:

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

Technical data:

		Test standard	Sample pretreatment	Unit	Measured value *	Standard value DIN 7733
Thickness deviation		IEC 641-2	Standard climate 23/50	%	± 10	-
Raw density	Psp 3020	IEC 641-2	Standard climate 23/50	g/cm3	1,2	1,0 - 1,2
	Psp 3010					1,2 - 1,3

	Test standard	Sample pretreatment	Unit	Measured value *	Standard value DIN 7733	
Tensile strength unfolded min.	lengthwise	IEC 641-2	Standard climate 23/50	N/mm2	85	65
	across				50	35
Elongation unfolded min.	lengthwise	IEC 641-2	Standard climate 23/50	%	5	2,5
	across				11	6,5
Shrinkage max.	lengthwise	IEC 641-2	Standard climate 23/50	%	0,7	2
	across				1,2	-
	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	%	1,5	5
Conductivity of the aqueous extract		IEC 641-2	Delivery	mS/m	10	20
pH value of the aqueous extract		IEC 641-2	Delivery		7 - 9	-
Electrical breakdown voltage unfolded min.		IEC 641-2	Standard climate 23/50	kV/mm	11	10

* Average values, measured on 0.2 mm thick material
This information only provides general guidelines for use.

Dimensions:

Pressboard Psp 3010:
0.8 - 5.0 mm thickness

Pressboard Psp 3020:
0.1 - 1.0 mm thickness

Delivery formats:

Pressboard Psp 3010 trimmed on four sides
1050 x 1020 mm approx.
1050 x 2050 mm approx.
2100 x 1360 mm approx.
2100 x 2050 mm approx.
2100 x 4150 mm approx.

Dimensions:

Pressboard Psp 3020 on rolls

Standard rolls:
640 mm or 1280 mm width

Narrow rolls:
from 4 mm width

Feathering: possible

Part number:

Example: PSP3020/30/xxx.x
PSP3020 = Pressboard Psp 3020
30 = thickness 0.30 mm
xxx.x = 022.5 width 22.5 mm