

Specifications Certificate



PAPER-INSULATION

Type: PSP-3055

Class: A+

Grade: High Grade

Sign: Blue Line

Brand Name: CubiC

Roll No.: 25PS0001

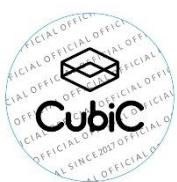
PSP-3055 type (Presspahn) is a special product on the basis of the purest wood cellulose fibers, without any additional binding agents, these are made up into a fibrous web and then pressed.

Properties and application:

PSP-3055 type is Class A (105°C) insulating material. This product has good flexibility and high mechanical strength, and excellent electrical properties.

It is particularly suited as an insulating material in electric machines capacitors, motors, especially in oil-cooled transformer, and etc.

Properties		Units	ACCORDING TO IEC 60641-3-2, TYPE P 4.1 A							
Nominal thickness		mm	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.50
Thickness tolerance		%	±10	±10	±10	±10	±10	±10	±10	±10
Density		g/cm ³	1-1.2	1-1.2	1-1.2	1-1.2	1-1.2	1-1.2	1-1.2	1-1.2
Tensile strength	MD	MPa	≥75	≥75	≥75	≥80	≥80	≥80	≥80	≥80
	CD		≥35	≥35	≥35	≥40	≥40	≥40	≥40	≥40
Elongation	MD	%	≥1.5	≥1.5	≥1.5	≥2.0	≥2.0	≥2.0	≥2.0	≥2.0
	CD		≥6.0	≥6.0	≥6.0	≥7.0	≥7.0	≥7.0	≥7.0	≥7.0
Shrinkage	MD	%	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
	CD		≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
	Thickness		≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0	≤7.0
Ash content		%	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
Oil absorption		%	≥10	≥10	≥10	≥10	≥10	≥10	≥10	≥10
PH value of the AE		-	6-9	6-9	6-9	6-9	6-9	6-9	6-9	6-9
Conductivity of the AE		mS/m	≤8.0	≤8.0	≤8.0	≤8.0	≤8.0	≤8.0	≤8.0	≤8.0
Electrical strength in air		kV/mm	≥9.0	≥9.0	≥9.0	≥10	≥10	≥10	≥10	≥10
Electrical strength in oil		kV/mm	≥60	≥60	≥60	≥60	≥60	≥60	≥60	≥60
Moisture content		%	≤8.0	≤8.0	≤8.0	≤8.0	≤8.0	≤8.0	≤8.0	≤8.0
Mfg. date		-	Jul 2024							
Stamp & Signature										



 CubiC
INDUSTRIAL

Remark:

MD/CD: Machine Direction/Cross Direction, AE: Aqueous Extract

Storage: Store in a dry and cool place. Any improper maintenance will void the warranty.