

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.