

Phenolic bakelite paper HP 2065 is made of cellulose fiber paper impregnated with phenolic resin. Phenolic paper can be used for applications up to 120°C.

A combination of a temperature resistant phenolic resin and cellulose paper, HP2065 has excellent strength, weatherability and electrical resistance properties. Typical applications include electrical insulation. Compliant with: DIN 7735-2 / NEMA – HP 2065, IEC – PFCP21



Typical applications

HP 2065 is very suitable for use with a wide range of application areas for electrical insulation. The material is often used as an insulation component for brush holders, switching equipment, transformers, coil couplings, ducts, coil reels, insulation sheaths, etc.

Properties

- Good mechanical properties
- Excellent electrical properties under humid conditions
- Good heat resistance 120°C
- High chemical resistance
- Excellent machining properties
- Good temperature properties
- Very good properties under dry and humid conditions

Composition

Cellulose paper impregnated with phenolic resin that is wound on a shaft into a tube and cured under high temperature and pressure in accordance with defined industrial standards.

Colour

Brown

Dimensions

- Wall thickness from 2 mm*
- Internal diameter from 5.2 mm*
- Standard tube length 1050 mm

Bakelite paper tube cut and machined according to specification is available on request, readily milled, lathed or drilled.

* Tube sold on request, usually non stock order item

Packaging

Usually non stock order item.

Technical data

Phenolic bakelite paper tube complies with international standards: DIN 7735-Hp 2065, EN 61212-PF CP 21

| Properties | Value | Unit |
|---|-------------|-------------------|
| Mechanical | | |
| Density | 1.05 - 1.30 | g/cm ³ |
| Flexural strength perpendicular | 75 | N/mm ² |
| Compressive strength perpendicular | 40 | N/mm ² |
| Thermal | | |
| Thermal endurance (Temperature Index) | 120 | T.I |
| Working temperature Class | 120 | °C |
| Electrical | | |
| Dielectric strength at 90°C in oil perpendicular to laminations | 10 | kV/mm |
| Dielectric strength at 90°C in oil parallel to laminations | 25 | kV/20 mm |

How to contact BEVI

Contact details for all countries are continually updated on our website.
Please visit www.bevi.com to access the information direct.

BEVI AB (Headquarters)
Blomstermåla, Sweden
Tel. +46 499 271 00
info@bevi.se

