



PHENOLIC BAKELITE PAPER TUBE HP 2065

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
- Very good properties under dry and humid conditions
- Good temperature properties
- Good electrical properties
- Excellent mechanical machining properties

PRODUCT INFORMATION

Phenolic Bakelite paper HP 2065 is made of cellulose fiber paper impregnated with phenolic resin. Phenolic Bakelite paper can be used for applications up to 120°C. A combination of a temperature resistant phenolic resin and cellulose paper, HP 2065 has excellent strength, weatherability and electrical resistance properties.

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

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

- Standard dimensions sold individually
Usually non stock order item

Product information for which Carbex bears no responsibility is provided by the manufacturer.





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Technical data

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

Properties

Mechanical	Value	Unit
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

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