



VOLTIS[®] HP 2061

Composition

VOLTIS[®] HP 2061 is a phenolic paper laminate conforming PFCEP 201 acc. IEC 60893.

Application

VOLTIS[®] HP 2061 is recommended if good mechanical and electrical properties for low voltage applications are required. VOLTIS[®] HP 2061 has good machinability and punching quality up to 2,5 mm.

Technical Data

| Properties | Test method | Unit | Value |
|--|--------------|-------------------|--------------|
| Density | ISO 1183 / A | g/cm ³ | approx. 1,4 |
| Flexural strength | ISO 178 | MPa | 150 |
| Flexural modulus of elasticity | ISO 178 | MPa | approx. 9000 |
| Tensile strength | ISO 527 | MPa | 120 |
| Compressive strength perpendicular to laminations | ISO 604 | MPa | 300 |
| Compressive strength parallel to laminations | ISO 604 | MPa | 150 |
| Electric strength at 90°C in oil perpendicular to laminations (thickness 3 mm) | IEC 243 | kV/mm | 5 |
| Breakdown voltage at 90°C in oil parallel to laminations | IEC 243 | kV | 15 |
| Permittivity at 50 Hz and 1 MHz | IEC 250 | - | < 5,5 |
| Comparative tracking index | IEC 112 | - | CTI 100 |
| Thermal endurance | IEC 216 | T.I. | 120 |
| Water absorption (thickness 3 mm) | ISO 62 / 1 | mg | 250 |
| Impact strength a _n 10 and a _n 15 | DIN 53453 | kJ/m ² | 20 |

All information given here is based on currently available facts and on the results of experiments performed with all due care in our laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.

**Availability**

Thickness: 0,2 - 150 mm, tolerances acc. to IEC 60893
Sheet sizes: 2150 +20/-10 mm x 1250 +20/-10 mm (0,2 to 110 mm)
1070 ±10 mm x 1250 +20/-10 mm (0,2 to 110 mm)
2800 +20/-0 mm x 1240 ±10 mm (0,5 to 50 mm)
1450 ±20 mm x 950 ±20 mm (15 to 150 mm)
Colour: brown, sheets up to 2,5 mm also available in black

Cuttings are available on request.

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