

VOLTIS[®] HP 2061

Composition

VOLTIS[®] HP 2061 is a phenolic paper laminate conforming PFCP 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 _{n10} and a _{n15}	DIN 53453	kJ/m ²	20

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.