

## VOLTIS® Hgw 2072

### Composition

VOLTIS® Hgw 2072 is a phenolic glass laminate conforming to PF GC 201 acc. IEC 893 and Hgw 2072 acc. DIN 7735.

### Application

VOLTIS® Hgw 2072 can be used as construction material as well as an electric insulation material in various machines and equipments, especially in those areas where good size stability, high temperature resistance and low burnability are necessary.

### Technical Data

Properties	Testmethod	Unit	Value
Density	ISO 1183/A	g/cm <sup>3</sup>	approx. 1,7
Flexural strength	ISO 178	MPa	200
Flexural modulus of elasticity	ISO 178	MPa	approx. 14000
Tensile strength	ISO 527	MPa	100
Electric strength at 90°C in oil perpendicular to laminations (thickness 3mm)	IEC 893/ IEC243	kV/mm	7
Breakdown voltage at 90°C in oil parallel to laminations	IEC 893/ IEC243	kV	25
Permittivity (1 MHz)	IEC 250	-	approx. 5
Insulation resistance after immersion in water	IEC 167	Ohm	10 <sup>8</sup>
Comparative tracking index	IEC 112	-	100
Thermal endurance	IEC 216	T.I.	120
Water absorption (thickness 3 mm)	ISO 62 / 1	mg	90

## Availability

Thickness: 0,8 - 45 mm, other thicknesses on request

ThicknessTolerances: acc. IEC 60893

Sheet size: 2130 +30/-0 mm x 1230 +30/-0 mm

Machined parts and cuttings are available on request.