

VOLTIS® Hgw TU 32

Composition

VOLTIS® Hgw TU 32 is a round moulded phenolic-cotton cloth tube of the type PF CC 32 according IEC 61212 and Hgw 2088 according DIN 7735.

Application

VOLTIS® Hgw TU 32 is used if good mechanical properties are required. It is distinguished by good machinability, high abrasion resistance as well as good resistance against water, oils and lubricants.

Technical Data

Properties	Testmethod	Unit	Min. Value
Density	ISO 1183/A	g/cm ³	approx. 1,4
Flexural strength perpendicular to laminations at 23°C	ISO 178	MPa	70
Compressive strength axial	ISO 604	MPa	100
Cohesion between layers	IEC 61212	MPa	75
Breakdown voltage (1' proof test) at 90°C in oil parallel to laminations	IEC243	kV	5
Insulation resistance after immersion in water	IEC 167	Ω	5.10 ⁶
Thermal endurance	IEC 216	T.I.	120
Water absorption	ISO 62 / 1	mg/cm ²	≤6

Availability

Outer diameter: 18 mm, ≥20 mm in 5 mm steps up to 85 mm, 93 mm
 Inner diameter: min. 12 mm
 Wall thickness: min. 2,5 mm
 Length: 820 mm
 Tolerances: acc. IEC 61212
 Surface: as produced or ground