

## VOLTIS<sup>®</sup> Hgw TU 32

## Composition

VOLTIS<sup>®</sup> 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<sup>®</sup> 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.

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## **Technical Data**

Properties	Testmethod	Unit	Min. Value
Density	ISO 1183/A	g/cm³	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 <sup>6</sup>
Thermal endurance	IEC 216	T.I.	120
Water absorption	ISO 62 / 1	mg/cm <sup>2</sup>	≤6

Availability

Outer diameter:	18 mm, $\geq$ 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

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