

VOLTIS® Hgw RO 42

Composition

VOLTIS® Hgw RO 42 is a round moulded phenolic-cotton cloth rod of the type PF CC 42 according IEC 61212 and Hgw 2088 according DIN 7735.

Application

VOLTIS® Hgw RO 42 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	90
Compressive strength axial	ISO 604	MPa	80
Cohesion between layers	IEC 61212	MPa	50
Breakdown voltage (1' proof test) at 90°C in oil parallel to laminations	IEC243	kV	1
Insulation resistance after immersion in water	IEC 167	Ω	5.10 ⁵
Thermal endurance	IEC 216	T.I.	120
Water absorption	ISO 62 / 1	mg/cm ²	≤5

Availability

Outer diameter: 8/10/13/18 mm, ≥20 mm in 5 mm steps up to 85 mm, 92 mm
 Length: 8-13 mm Ø: 520 mm
 ≥18 mm Ø: 820 mm
 Tolerances: acc. IEC 61212
 Surface: as produced or ground