

Glassfiber woven epoxy tubes G11



Glassfiber woven epoxy tubes is a glassfiber laminate of class F (155°C) on an epoxy base with very good mechanical, electrical and temperature properties.

Typical applications are electrical insulation in bolted joints etc. and as purely mechanical construction details.



Typical applications

High temperature glassfiber epoxy G11 can be used to advantage in a wide range of electrical and mechanical applications such as spacers, mechanical barriers, electrical insulation components / spacers etc.

Properties

- Very low moisture absorption
- High heat resistance 155°C (class F) with maintained good mechanical properties
- Resistant to most impregnating varnishes
- Very good electrical and dielectric properties
- Very good mechanical properties

Composition

Glass fabric impregnated with epoxy in several layers. These layers are compressed under high temperature to comply with specified standards.

Colour

Available in shades of yellow and brown.

Standards

Epoxy tubes G11 follows standards:

- EN G1212 - EPGC 22,
- NEMA - G11
- DIN 7735 - Hgw2375.4

Dimensions

- The pipes are manufactured in dimensions from an inner diameter of 5.2 mm
- Wall thickness from 2 mm
- Standard pipe length nominal 1050 mm.
- We also deliver cut, processed G11 tubes according to your drawings on request. Processing by milling, turning and drilling

Packaging

- Standard dimensions sold individually.
- Tubes are available on request.

Technical data

Properties of glassfiber epoxy tubes G11		
Mechanical properties		
Density	1.7 – 1.9	g/cm ³
Bending strength min.	300	N/mm ²
Compressive strength min.	175	N/mm ²
Tensile strength	>250	N/mm ²
Water uptake max	1.5	mg/cm ²
Thermal properties		
Temperature index	155	T.I.
Electrical properties		
Electrical breakthrough strength in oil parallel at 90°	≥40	KV/20 mm
Dielectric strength in oil parallel at 90°, thickness 1 mm	11.6	KV/mm
Dielectric strength in oil parallel at 90°, thickness 5 mm	7.7	KV/mm

How to contact BEVI

Contact details for all countries are continually updated on our website.
Please visit www.bevi.com to access the information direct.

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