



CUSTOM ELECTRICAL INSULATION

G10 FILAMENT WOUND TUBE

Test report - glass fiber / epoxy rolled tube with excellent electrical insulation

SINCE 2017

ISO 9001

OEM / ODM

Well Electric - WELLELE

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TEST REPORT OF G10 Filament Wound Tube

G10 Filament Wound Tube is made of glass fibers and epoxy resin have besides very good mechanical properties and fair temperature resistance also excellent electric insulation properties.it is a glass fabric base rolled tube bonded with a epoxy resin. This grade has heat resistant properties .It possesses excellent electrical properties, and low water absorption when exposed to high humidity conditions.

Product explanation and application: The sleeve of epoxy resin fiberglass forms in the process which non-alkali fiberglass dipped epoxy resin liquor twists along tubing axis with 50-60 degree ,, The product is widely used in the fusion tubing of high/low pressure flow limited fuse box and other electrical equipment. The product can be sawed, cut, bored, and roped silk.

Advantages

- Light weight
- Non-Conducting
- Corrosion resistant
- Wear resitant
- Can be customizd
- Can be OEM
- Deliver fast

- Excellent mechanical strength,
- 2) High mechanical load
 - 3) Endure high Voltage ,10-1000KV
 - 4) Light weight
 - 5) Adjust the winding angle to satisfied with your any mechanical strength demand
 - 6) Thickness is from 1mm to more
 - 7) Work temperature:B (125C)/ F(155C)/ H(180C)/ 220-250 C



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Item		Uint	Value	
Density		g/ cubic centimeters	more than 1.9	
Compression Strength		Mpa	more than110	
Shearing Strength		Mpa	more than 25	
Bending Strength		Mpa	more than210	
Bending Strength(Circumference)		Mpa	more than 400	
Air tightness	Gas pipe	Mpa	2.94	No leak
	Oil pipe		58.8	
Surface breakdown voltage after wettingin normal air for 1 min with gap between electrodes of 30mm		KV	more than15	
Parallel to laminate breakdown voltage (in transformer oil of 90±2 ℃)		KV	more than 25	
Perpendicular to laminate breakdown voltage (in transformer oil of 90±2 ℃,5min wallthickness 4mm)		KV	more than 22	
Dielectric loss factor 50 Hz			less than0.01	
Leakage current (between gap of 500mm at 40 kv dc500mm40KV		MA	less than 1	
Content of fiberglass		%	70	
Water absorbtion rate		%	less than 0.02	