

THERMAL AND ELECTRICAL INSULATING SLEEVINGS

Description:

Braided fibreglass sleeving impregnated with silicone varnish. This is a Class 250 electrical insulating sleeving. Sleeving provides air space insulation only.

Its major features are:

- Highly flexible: will bend without flattening around a diameter less than 10 times its bore.
- Highly resilient: recovers roundness after being flattened resulting in minimum volume packing.
- Good abrasion resistance.
- Self extinguishing.
- Good fraying resistance when cut. Guillotine cut.
- Nice touch and feel.
- Halogen free.

Operating temperature: -40°C to +300°C. (3000 hours) Peaks at +450°C. (1 hour)

DIELECTRIC STRENGTH

Test	Method	VSR10	
		Minimum	Average
IEC 60684	250 mm. inst. B / D Central Value (kV)	0,7	0,9
IEC 60684	250 mm. inst. B / D Lowest Value (kV)	0,6	0,8
UL 1441	25 mm. inst. B / D (kV)	0,9	1,1

TECHNICAL CHARACTERISTICS

Property	Test	Result
THERMAL OVERCHARGE AND AGEING RESISTANCE	Simulation of real operating conditions	10 days at 350°C.
HEAT RESISTANCE	Bending after heating IEC 60684 Part 2 Clause 13 48 hours at 400°C	No cracking. Silicone varnish will burn off.
CHEMICAL RESISTANCE	Simulation of real operating conditions	Excellent resistance to solvents. Compatible with most insulating varnishes.
FLAMMABILITY	Flame propagation: IEC 60684 Part 2 Clause 26 Method B Vertical with wire Flame test: UL 1441 VW-1 Vertical with wire	Will not ignite. Will not ignite.
ABRASION RESISTANCE	SAE ARP 1536A	Minimum 4000 cycles
COLD RESISTANCE	Bending at low temperature IEC 60684 Part 2 Clause 14	No cracking after bending at -70°C
OXYGEN INDEX (I.O.)	UNE EN ISO 4589	IO = 64'5%
TOXICITY	NF X 70-100	ITC = 4'08
SMOKE DENSITY	NF X 10-702 (test conducted in flame mode)	V0F4 = 3'2 Dmax = 3
SMOKE INDEX	NF F 16-101	IF = 2'2

DIMENSIONS

Nominal bore (mm)	Bore tolerance (mm)	Minimum wall Thickness (mm)	Standard Put up (m)
0,5 to 0,8	+ 0,20	0,25	400
1,0 to 3,0	+ 0,20	0,25	300
3,5	+ 0,30	0,25	300
4	+ 0,30	0,30	300
5	+ 0,30	0,35	200
6 to 8	+ 0,30	0,35	200
9 to 10	+ 0,50	0,35	200
12	+ 0,50	0,40	100
14	+ 0,50	0,60	100
16 to 18	+ 1,0	0,60	100
20 to 25	+ 1,0	0,60	50

REFERENCE:

VSR 10 Product	Colour	Nominal bore x 10
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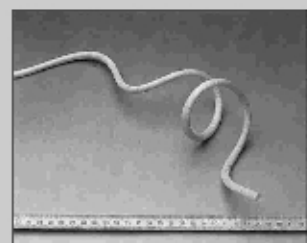
For example:

VSR10BC120 (nominal bore: 12 mm.)

NOTE:

On request we supply other diameters.

Different shapes available:
Rectangular, Oval, etc.



Specifications:

IEC 60684
UL 1441

Applications:

This glass sleeving impregnated with silicone varnish is flexible and compatible with most impregnating varnish systems. It is an ideal thermal and electrical insulation in heaters and other devices with a very high operating temperature.

Put up:

In coils of variable length, depending on the diameter of the sleeving.
On request in cut lengths or spools.

Handling:

Care should be taken to minimise dust formation during handling and cutting this glass based material as dust or broken particles may cause skin irritation. The use of barrier creams on exposed areas will minimise the risk of skin irritation.

For product safety data and product disposal advice, see separate Safety Data Sheet.

NOTES:

This information and data is believed to be accurate and reliable. We place at your disposal the technical information necessary for the correct use of our products and offer the possibility of simulating in our laboratory the conditions of many applications, in order to advise on the suitability of our products. As conditions and methods of use are beyond our control, the user must confirm suitability before adopting our products for commercial use. We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

REVITEX VSR 10

Silicone saturated braided glass sleeve.



UL recognized
File: n° E 151092

VSR 10

REVITEX

Standard colours: White.