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**SLEEVINGS FOR THERMAL, ELECTRICAL, MECHANICAL & EMI APPLICATIONS**



**SPECIFICATIONS:**

- IEC60684
- UL1441

**APPLICATION:**

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.

**DESCRIPTION:**

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

**OPERATING TEMPERATURE:** -70°C to +300°C (3000 hours)  
Peaks at +450°C (1 hour)

**ITS MAIN FEATURES ARE:**

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

# REVITEX VSR10

## PUT UP:

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

## HANDLING:

Care should be taken to minimize 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 minimize 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.

## DIELECTRIC STRENGTH:

Test	Method	VSR10	
		Minimum	Average
IEC60684	250 mm. Inst. B / D Central Value (kV)	0,7	0,9
IEC60684	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 IEC60684 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: IEC60684 Part 2 Clause 26 Method B vertical with wire	Will not ignite
	Flame test: UL 1441 VW-1 vertical with wire	Will not ignite
Abrasion Resistance	SAE ARP 1536	Minimum 4.000 cycles (ø 20 mm)
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	10 = 64,5%
Toxicity	NF X 70-100	ITC = 4,08
Smoke density	NF X 10-702 (Test conducted in flame mode)	VOR4 = 3,2 Dmax = 3
Smoke Index (IF)	NF F 16-101	IF = 2,2

## DIMENSIONS:

Reference	Nominal Bore (mm)	Bore Tolerance (mm)	Minimum wall thickness (mm)	Standard Packaging (m)
VSR10__005	0,5	+0,20	0,20	400
VSR10__010	1,0	+0,20	0,25	300
VSR10__015	1,5	+0,20	0,25	300
VSR10__020	2,0	+0,20	0,25	300
VSR10__025	2,5	+0,20	0,25	300
VSR10__030	3,0	+0,20	0,25	300
VSR10__035	3,5	+0,30	0,25	300
VSR10__040	4,0	+0,30	0,30	300
VSR10__045	4,5	+0,30	0,30	200
VSR10__050	5,0	+0,30	0,30	200
VSR10__060	6,0	+0,30	0,30	200
VSR10__080	8,0	+0,30	0,30	100
VSR10__100	10,0	+0,30	0,30	100
VSR10__120	12,0	+0,50	0,45	100
VSR10__140	14,0	+0,50	0,45	100
VSR10__160	16,0	+1,00	0,45	100
VSR10__180	18,0	+1,00	0,55	100
VSR10__200	20,0	+1,00	0,55	100
VSR10__220	22,0	+1,00	0,60	50
VSR10__250	25,0	+1,00	0,60	50

**NOTE:** Standard Colours ( ): NE Black; BC White. Different shapes available: Rectangular, oval, etc.  
Other diameters supplied upon request.