



GVES - Silicon Rubber fiberglass sleeving



On request it is possible to supply
UL material
UZIQ2 UL Category
File E311983

GVES is an insulating sleeving impregnated with silicone rubber. According to the quantity of silicon it is available in three standard voltage: 1500 Volt (GVES1500) – 2500 Volt (GVES2500) – 4000 Volt (GVES4000). The thermal treatment and the special resins used for this item give the material a very good softness and elasticity, excellent high temperature resistance and good dielectric strength.

Thermal properties:

Thermal Class: H-C
Usage temperature: -60°C + 250°C.
Short time peaks at +290°C

Packaging:

From 0,5 mm. up to 4 mm.
200 meters rolls

From 5 mm. up to 16 mm.
100 meters rolls

From mm. 18 on
50 meters rolls

Colour:

Brick red is the standard colour.
Other colours on request.

(Colour tone may vary. This does not affect technical properties of sleeve)

Breakdown Voltage:

According to UL 1441

Applications:

- Domestic appliances
- Motor and transformers connections
- Lamps
- General electrical usage

Specifications:

UL 1441

Certifications:

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UL Cat. UZIQ2-E311983
Flame Retardant VW-1



Size:

Inside Diameter	Tolerance mm	Wall thickness GVES 1500	Wall thickness GVES 2500	Wall thickness GVES 4000
0,5	+ 0,3 - 0	0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
1		0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
1,5		0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
2		0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
2,5		0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
3		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
3,5		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
4		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
5		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
6		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
7	+ 1,0 - 0	0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
8		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
9		0,60 ±0,12	0,62 ±0,12	0,65 ±0,15
10		0,60 ±0,12	0,62 ±0,12	0,65 ±0,15
12		0,60 ±0,12	0,62 ±0,12	0,65 ±0,15
14		0,60 ±0,12	0,62 ±0,12	0,80 ±0,20
16		0,60 ±0,12	0,62 ±0,12	0,80 ±0,20
18		0,60±0,20	0,62±0,20	1,00 ±0,20
20		0,60±0,20	0,62±0,20	1,00 ±0,20
22		0,60±0,20	0,90±0,20	1,15 ±0,25
24	0,70±0,20	0,90±0,20	1,15 ±0,25	
26	0,70±0,20	0,90±0,20	1,15 ±0,25	
28	0,70±0,20	0,90±0,20	1,15 ±0,25	
30	0,70±0,20	0,90±0,20	1,15 ±0,25	

Main properties:

Property	Results
After heating	No cracking or detachment of the coating after 48 hours at 260°C
Low temperature	No cracking or detachment of the coating after 60 minutes at -70°C
Flame propagation	Max 60 sec.

GVES sleeving is extremely flexible and has a good torsion, tensile, bending and vibrations resistance. The good elasticity allows GVES to be back in round shape even after the cutting process with automatic machines. It can be used with main chemical agents as radiations, solvents, industrial greases and oils.

It must be stored in a dry place, inside plastic bags, away from direct sunlight, weathering, chemical materials, direct heat sources or fire. Storage time is 12 months.

The values given above are believed to be accurate and given as a matter of information only. As usage conditions are beyond our control we suggest the customer to confirm values and product compatibility prior to its use. We don't guarantee nor accept any responsibility for any particular usage.



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