

Silicone Rubber Coated Glass 2.5KV

ABOUT THIS PRODUCT

This sleeving gives the benefits of both extruded silicone rubber and fibreglass sleeving, offering good strength, flexibility and excellent dielectric strength at high temperature. UL recognized File No. E 151092

Please note: 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.

Note: Standard colour: Black and Red-Brown
Other diameters supplied



FEATURES AND BENEFITS

- Good dielectric strength
- Good mechanical resistance
- Highly flexible
- Excellent chemical resistance to oils, fluids and aggressive chemical agents.
- Flame retardant
- Halogen free
- Self-extinguishing
- UL Approved

APPLICATIONS

- Electrical insulation
- Harnessing
- Terminal protection
- High temp rated domestic appliances
- Heating appliances
- Central heating boilers

MATERIAL DATA

Product Code	251
Material	Silicone Rubber Coated Fibreglass
Standard Colour	Black
Operating Temperature – °C	-40 – +235 (Peaks at +300)
Dielectric Strength – kV/mm	2.5
Relevant Specifications	IEC 60684, UL 1441
UL recognized	E151092

TECHNICAL TABLE

PROPERTY	TEST	RESULTS
HEAT RESISTANCE	UL 1441: 7 days at +265°C 60 days at +235°C 1 hour at +300 °C	No cracking or detachment of coating shall be visible and the original colour shall be clearly recognisable
FLAMMABILITY	Flame propagation IEC 60684 Part 2 Clause 26 Method B vertical without mandrel UL 1441	Extinguishes within 60 seconds Self-extinguishing VW1 or FT-1 (sleeving in vertical position)
COLD RESISTANCE	Bending at low temperature IEC 60684 Part 2 Clause 14 at -40°C UL 1441 (cold bend test)	No cracking or detachment of coating shall be visible. No cracking after 1 hour at 30°C
CHEMICAL RESISTANCE	Resistance to hydrocarbons (UL 1441): After 96 h. at +100°C in ASTM oil n.2	16.000 V
	After 1440 h. at +80°C in ASTM oil n.2	16.200 V
	Resistance to impregnation varnishes and resins (UL1441)	Excellent

DIMENSIONS

Nominal bore (mm)	Bore Tolerance (mm)	Minimum Wall Thickness (mm)	Standard Packaging (m)
0.5	+ 0.20	0.20	400
0.8	+ 0.20	0.20	400
1.0	+ 0.20	0.30	400
1.5	+ 0.20	0.30	200
2.0	+ 0.20	0.30	200
2.5	+ 0.20	0.30	200
3.0	+ 0.20	0.30	200
3.5	+ 0.30	0.30	200
4.0	+ 0.30	0.30	200
4.5	+ 0.30	0.40	200
5.0	+ 0.30	0.40	200
6.0	+ 0.30	0.40	200
7.0	+ 0.30	0.40	200
8.0	+ 0.30	0.45	100
9.0	+ 0.50	0.45	100
10.0	+ 0.50	0.45	100
11.0	+ 0.50	0.45	100
12.0	+ 0.50	0.45	100
13.0	+ 0.50	0.60	100
14.0	+ 0.50	0.60	50
15.0	+ 0.50	0.60	50
16.0	+ 1.00	0.60	50
18.0	+ 1.00	0.60	50
20	+ 1.00	0.90	50