Silicone Rubber Coated Glass 7.5KV

fABOUT THIS PRODUCT

This sleeving is made of a special silicone rubber coated fibreglass braid. It gives both the benefits of an extruded silicone rubber as well as fibreglass sleeving, giving good strength and flexibility as well as excellent dielectric strength at high temperature. This sleeving peaks at 300°C. Grade A (7000 V) UL and cUL approved (File No. E 121222)

***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, White and Red-brown
Other diameters supplied

23 Ullswater Crescent
Coulsdon
Surrey
CR5 2UY
TEL: +44(0) 20 8668 1481
WEB: www.croylek.com
EMAIL: sales@croylek.co.uk

FEATURES AND BENEFITS

- Good dielectric strength
- Halogen free
- Self-extinguishing VW 1
- Good mechanical resistance
- Highly flexible
- Flame retardant
- Excellent chemical resistance to oils, fluids and aggressive chemical agents

APPLICATIONS

- Electrical insulation
- Harnessing
- Terminal protection

MATERIAL DATA

Product Code	252
Material	Silicone Rubber Coated Fibreglass
Standard Colour	Black
Operating Temperature – ^{o}C	-60 – +200
Elongation at Break – %	7.96
Dielectric Strength – kV/mm	7.5
Tensile Strength – MPa	1.983
Relevant Specification	IEC 60684 sheets 400-402, UL 1441
	UL 1441
	UL and cUL approved under file no. E121222

TECHNICAL TABLE

PROPERTY	TEST	RESULTS
HEAT RESISTANCE	UL 1441: 7 days at +265ºC 60 days at +235ºC 1 hour at +300 ºC	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 ºC UL 1441 (cold bend test)	No cracking or detachment of coating shall be visible. No cracking after 1 hour at -30ºC
HUMIDITY RESISTANCE	336 hours at +70ºC	No softening
CHEMICAL RESISTANCE	Resistance to hydrocarbons (UL 1441): After 96 h. at +100ºC in ASTM oil n.2	16.000 V
	After 1440 h. at +80ºC 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	Standard Packaging (m)
0.5	+ 0.20	0.28	200
1.0	+ 0.30	0.38	200
1.5	+ 0.30	0.38	200
2.0	+ 0.30	0.38	200
2.5	+ 0.30	0.46	200
3.0	+ 0.30	0.46	200
3.5	+ 0.30	0.46	200
4.0	+ 0.40	0.51	200
5.0	+ 0.50	0.51	100
6.0	+ 0.50	0.51	100
7.0	+ 0.50	0.51	100
8.0	+ 0.60	0.64	100
10.0	+ 0.60	0.64	100
12.0	+ 0.60	0.64	50
14.0	+ 0.70	0.64	50
16.0	+ 0.70	0.64	50
18.0	+ 0.70	0.64	50
20.0	+ 0.90	0.64	50
22.0	+ 0.90	0.64	25
25.0	+ 0.90	0.64	25