

Silicon Fiber Glass Sleeveings

Halogen free



VIDFLEX CLASS 200 SILICON FG INSULATING SLEEVES

Description

Vidfex SVFG Series Insulated sleeving is made using heat treated electrical grade glass braid and then coated with a high performance liquid silicon rubber that is extremely flexible and has excellent resistance against ozone, ultraviolet radiation and humidity.

The glass fiber increases the mechanical strength and abrasion resistant property.

Vidfex SVFG HD is a heavy duty sleeve made using similar process as SVFG series with higher silicon rubber content and on thick glass braid which makes it high resistant to fray and coating fracture even when stretched over rectangular conductor or wires larger than the normal maximum inside diameter for high stress application.

In addition to having class 200°C rating its brittle point of -10°C suggests its use in wide range of application requiring resistant to temperature extremes.

Vidfex SVFG is recognised by Underwriting Laboratories under UL file no. And Dupont Insulation system under file no.

Application

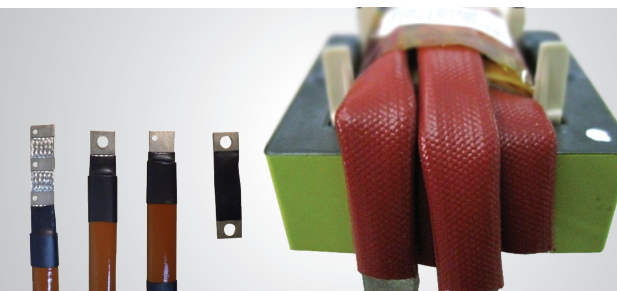
Vidfex SVFG Silicon Sleeving is used for protection & lead insulation of electrical appliances, electrical motors, alternators, dry type transformers, lamps, automobile, marine, aerospace, wire harness protection & electrical components such as coils, relays, environmental instruments & others where 200°C thermal rating is required.

It may also be stacked or telescoped with the same or other electrical insulating materials to obtain higher electrical values.

In addition it finds application in die casting & plastic moulding where heavy duty insulation is required due to high heat.

Features

- No Tackiness
- Smooth and Shiny Surface
- Operating Temp (up to 250°C)
- Uniform Diameter
- Good Varnish Stability
- High Stretchability
- Continous Length results in Minimal Wastage
- Compatible with Insulating Varnish and Insulation System

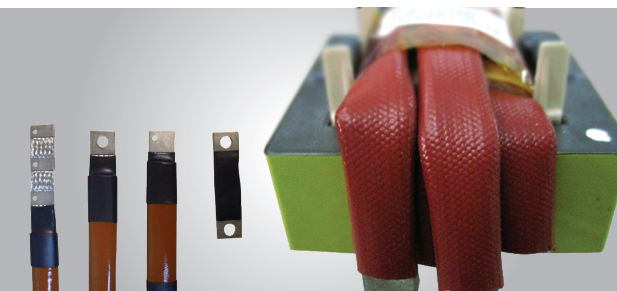


Properties

Physical Properties	Unit	Grade A	Grade B	Grade C	Grade D	SVFG HD
Diameter	mm	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	
Tolerance	mm	+/- 0.25	+/- 0.25	+/- 0.25	+/-0.25	
Diameter	mm	3-18	3-18	3-18	3-18	
Tolerance	mm	+/- 0.50	+/- 0.50	+/- 0.50	+/-0.50	
Diameter	mm	19-30	19-30	19-30	19-30	
Tolerance	mm	+0.80/-0.20	+0.80/-0.20	+0.80/-0.20	+0.80/-0.20	
Wall Thickness	mm	Upto 30	Upto 30	Upto 30	Upto 30	
	mm	Max 1.0	Max 0.90	Max 0.75	Max 0.70	
Flexibility		Excellent	Excellent	Excellent	Good	
Chemical						
Compatibility with Impregnating Varnish		Good	Good	Good	Good	
Bending						
At Room Temperature	No sign of crack & detachment					
At 180°C for 24 Hrs	No sign of crack & detachment					
Breakdown Voltage in Air	Kv	≥10	≥7	≥4	≥3	
Breakdown Voltage at Max Operating Temperature	Kv	≥9	≥6	≥3	≥2.5	
Insulation Resistance in Normal Conditions	M-Ohms	≥100	≥100	≥100	≥100	≥100
Flame Resistance	Sec	VW-1	VW-1	VW-1	VW-1	
Self Extinguishing		Shall cease to burn within 60 secs				
Thermal Stability at 250° C for 24 hours		No sign of crack, detachment & resin oozing				



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Test Methods

BS 2848-1973, IEC-60394-2 & UL 1441

Availability

Diameter: 0.5 mm to 30 mm

Length: Continuous

Color: Black, White & Natural. Other colors available on request

Standard Packing: In Coils & Spools

Storage

Shelf Life: Unlimited

Health And Safety

Vidfex is non toxic. All hygiene and safety standards should be followed while using.

Disclaimer

All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application