Vidaflex

300 SERIES

Continuous knitted 'E' glass Sleeving coated with silicone elastomer Class H (180°C).

Standard Colours & Colour Codes

0—Black	4—Yellow
1—Brown	6—Blue
2—Red	X—Natural

(S320 is also available in 8—Grey)

Applications

Vidaflex S300 series of insulating sleevings find application in all types of high temperature rated electrical equipment and appliances as primary insulation or as secondary reinforcing and protection for conductors in high heat zones and in areas of likely mechanical damage.

Vidaflex S300 series are widely used as cable protection sleevings in vehicle wiring harnesses.

VIDAFLEX-S300-3.0-0-CLS

- Coil (CLS) Or Pieces (PC)
- Colour
- Size
- Material

- Vidaflex S300 - 2.0kV grade
- Vidaflex S320—1.0kV grade
- Vidaflex S350/SD350—4.0kV grade
- Vidaflex S375—10.0kV grade
- Vidaflex S360 (wall thickness 1.0mm) - 6.0kV grade
- Vidaflex S367 (wall thickness 0.7mm) - 4.0kV grade

Features and Benefits

The Vidaflex S300 series of high temperature insulating sleevings are manufactured by coating knitted "E" glass yarn with a solvent less silicone elastomer. Hence the process has no significant environmental hazard. The minimum size of the glass yarn filaments is greater than 9 micron and offers no hazard from inhalation.
All Vidaflex S300 grades will retain flexibility within the temperature range -60°C to +250°C, and will operate continuously at 180°C and have a short term rating of 250°C.
Grades are available with electric strengths of 1.0 - 10.0kV and types Viadflex S360 and S367 have guaranteed minimum sleeving wall thicknesses of 1.0mm and 0.7mm respectively to meet Approval Authority requirements.
Vidaflex S300 series insulating sleevings are classed as self-extinguishing.
Vidaflex S350 has U.L. and CSA recognition.
Insulating sleevings employing a knitted glass substrate do not exhibit the ultimate mechanical strength of a braided substrate, or bore extensibility as per Vidaflex S500 series but are an economic alternative suitable for use in many applications, particularly, where short lengths (<200mm) are required.
Vidaflex S320 has been specifically developed for use in wiring harness applications where the primary requirement is to bunch and contain cables and provide mechanical protection rather than enhance electric strength.

Performance

Product Description	S300	SD350	S375	S360	S367
Thermal Classification	Class H 180°C	Class H 180°C	Class H 180°C	Class H 180°C	Class H 180°C
Maximum Short Term Temperature	250°C	250°C	250°C	250°C	250°C
Bore Sizes	1.0 - 25.0mm	1.0 - 25.0mm	4.0 - 20.0mm	1.0 - 25.0mm	2.0 - 22.0mm
Wall Thickness (Min)					
Bore Sizes 1.0 - 10.0mm	0.6mm	0.8mm	1.0mm	Minimum	Minimum
12.0 - 20.0mm	0.8mm	1.0mm	1.3mm	1.0mm	0.7mm
25.0mm	1.4mm	1.4mm	1.5mm		
Electric Strength @ 20°C					
Tested to IEC 684 - 2	2.0kV/1 min	4.0kV/1 min	10kV/1 min	6.0kV/1 min	4.0kV/1 min
ASTM D350	2500V	7000V	7000V	7000V	7000V

Format—Continuous/Cut Lengths

Standard Reel Lengths

1.0 – 3.5mm	250 Metres
4.0 – 8.00mm	100 Metres
9.0 – 25.0mm	50 Metres

Product Description	S320	S350
Specification	Not Applicable	UL Recognition CSA Approval
Thermal Classification	Class H 180°C	UL Rating 200°C
Maximum Short Term Temperature	250°C	250°C
Electric Strength @ 20°C		
	1.0kV	4kV/1 min Tested IEC 684-3-400 DIN 40.620) Grade B ASTM D372) 4.0kV NEMA VS-1) UL Rating 600V
Flammability		
SE – Self Extinguishing	SE	SE

The data given is believed to be correct but it does not form a specification and may be subject to alteration without notification.

Hilltop Products (Insulation Sleevings) Ltd cannot be aware of all the customer applications and processes for our products, hence, Hilltop Products (Insulation Sleevings) Ltd make no warranty confirming the fitness or suitability of a product for any particular use.

Any proposed application of a Hilltop Products (Insulation Sleevings) Ltd product should be tested and satisfactory performance independently confirmed