



PRODUCT DESCRIPTION

KIRASRG 001 (HT) is a flexible fiberglass sleeve coated with silicone elastomer and featuring an outer layer of fiberglass braid. The over braid bonding procedure improves assembly performance and gets rid of the long-term handling effects of operator dermatitis by adhering the over braid to the silicone-coated substrate and minimizing end fray.

The majority of acids, oils, organic solvents, and water do not affect the sleeving. Additionally, almost all electrical grade varnishes and impregnation systems appropriate for all VPI applications are compatible with it.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Multifilament and Silicone

THERMAL CLASS

Class - H

OPERATING TEMP

-60°C to +250°C (Peak +300°C)

SIZES

0.5mm to 50mm

FLAMMABILITY

VW-1 (UL Grade-A)

EXPANDABILITY

1:2 (As per Customer requirement)

STANDARD COLOR

Natural & Black, Other Colors on request

SHELF LIFE

More than 25 years

DIELECTRIC STRENGTH

A-7000 Volts

B-4000 Volts

C-2500 Volts

FEATURES

- Superior Electrical Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

STANDARDS

- IEC 60684
- UL - 1441
- BS 2848
- NEMA
- ASTM D - 350
- ASTM D - 372
- JIS C - 2347

CORE APPLICATIONS

- Rotation machine Core Insulation
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness.
- Motor and Generator Lead Wire protection.
- Tubing
- Oil Filled Transformers Lead wire protection

COMPLIANCES



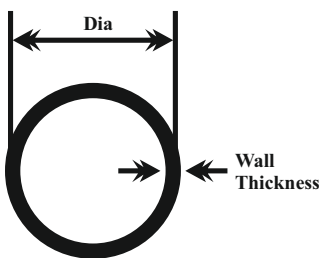
UL File No.: E324343
UL Part Code: SRG 001



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Heat Resistance	UL1441: 7 days at +265 °C 60 days at +235 °C	No cracks or detachment of coating shall be visible and the original colors shall be clearly recognizable
2.	Cold Resistance	UL 1441 IEC 60684	No cracks or detachment of coating shall be visible.
3.	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils
4.	Flammability	Flame propagation: IEC60684 Part2 Clause 26. Method B-Vertical without mandrel UL1441	Extinguishes within 60 seconds. Self-extinguishing VW-1
5.	Insulation Resistance	IEC 60684	10 ⁵ MΩ
6.	Hydrolysis of Coating	IEC 60684	There shall be no burning of the coating or any sign of decolorization of the Sleeving Coating.
7.	Bending (Flexibility) (Low Temp./Ageing/ Max. Temp.)	IEC 60684	No cracks or detachment of coating shall be visible and the original colors shall be clearly recognizable

DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
0.5mm	± 0.2mm	0.50mm ± 0.20mm	100 Mtrs
1.0mm	± 0.3mm		
2.0mm			
3.0mm			
4.0mm	± 0.5mm		
5.0mm			
6.0mm			
8.0mm			
10.0mm	± 1.0mm	0.65mm ± 0.20mm	50 Mtrs
12.0mm			
14.0mm			
16.0mm			
20.0mm			
25.0mm	± 2.0mm		

(*)Other diameters and colors supplied upon request.