



## PRODUCT DESCRIPTION

KIRAPU 3000 is a Fiberglass sleeving impregnated with Polyurethane varnish that is utilized in applications that demand consistent heat resistance and dielectric strength. The product, which comes in several grades and has a dielectric strength of up to 4000 volts depending on the application, is composed of an inner wall layer formed of braided and polyurethane-coated fiberglass yarn. For all Class 155°C thermal needs, KIRAPU 3000 Class - F sleeving is advised as a universal coated sleeving. The sleeving can operate at temperatures exceeding its thermal classification for brief periods of time and is compatible with the majority of insulating varnishes.

## PROPERTIES

### SLEEVING MATERIAL

Fiberglass Filament and Polyurethane Resin

### THERMAL CLASS

Class - F

### OPERATING TEMP

0°C to +155°C

### SIZES

0.5mm to 50mm

### DIELECTRIC STRENGTH

3000 Volts

### STANDARD COLOR

Natural & Black, Other Colors on request

### SHELF LIFE *(Under Recommended Storage conditions)*

More than 25 years

## 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

## CORE APPLICATIONS

- Alternator core winding
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness
- Motor and Generator Lead Wire protection
- Tubing
- Oil Filled Transformers Lead wire protection

## STANDARDS

- IEC 60684
- UL - 1441
- BS 2848
- NEMA
- JIS C - 2347

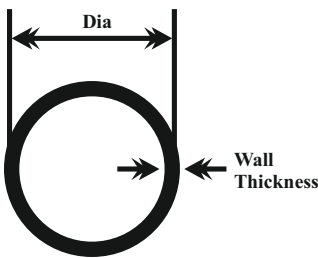
## COMPLIANCES



# TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Heat Resistance	IEC 60684	No cracks or detachment of coating were visible and the original colors were clearly recognizable
2.	Cold Resistance	IEC 60684	No cracks or detachment of coating were 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	Extinguishes within 45 seconds.
5.	Insulation Resistance	IEC 60684	10 <sup>5</sup> MΩ
6.	Hydrolysis of Coating	IEC 60684	There was no burning of the coating or any sign of de-colorisation of the Sleeve Coating.
7.	Bending (Flexibility) (Low Temp./Ageing/ Max. Temp.)	IEC 60684	No cracks or detachment of coating were visible and the original colors were 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.