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SLEEVINGS FOR THERMAL, ELECTRICAL, MECHANICAL & EMI APPLICATIONS



SPECIFICATIONS:

- UL1441
- NF EN ISO4589
- EN 45545-2-2013

APPLICATION:

This glass sleeving coated with silicone varnish is flexible and compatible with most impregnating varnish systems. It is an ideal thermal, electrical insulation and fire barrier in heaters and other devices with a very high operating temperature.

DESCRIPTION:

Self closing fiberglass and polyester sleeving coated with self-extinguishing and fire resistant special silicone rubber, that guarantees a high degree of thermal insulation and fire protection.

OPERATING TEMPERATURE: -70°C to +200°C (3000 hours)
Peaks at +300°C (1 hour)

ITS MAIN FEATURES ARE:

- Self Closing
- High thermal insulation, heat barrier
- Non fraying
- Total wall thickness: 2mm minimum
- Halogen free
- Self-extinguishing
- Fire resistant
- Flexible
- Excellent resistance to oils, fluids and aggressive chemical agents
- Resistant to molten steel splashes
- Recommended percentage of overlapping 25% minimum

FIRE PRO SC RW

PUT UP:

On coils of variable length, depending on the diameter of the sleeving. On request in cut lengths or spools.

HANDLING:

Care should be taken to minimize dust formation during handling and cutting this glass based material as dust or broken particles may cause skin irritation. The use of barrier creams on exposed areas will minimize the risk of skin irritation. For product safety data and product disposal advice, see separate Safety Data Sheet.

NOTES:

This information and data is believed to be accurate and reliable. We place at your disposal the technical information necessary for the correct use of our products and offer the possibility of simulating in our laboratory the conditions of many applications, in order to advise on the suitability of our products. As conditions and methods of use are beyond our control, the user must confirm suitability before adopting our products for commercial use. We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

TECHNICAL CHARACTERISTICS:

Property	Test	Result
Smoke Density (*)	ISO 5659-2	Ds max: 246
Gas Toxicity (*)	NF X 70-100-1 2006 + NF X 70-100-2 2006	Conventional Index ITC: 6,15
Oxygen Index (I.O.) (*)	NF EN ISO4589-2:1999	29,6%
Thermal Overcharges	20 minutes at +1090°C	Pass
	15 seconds at +1640°C	Pass
Ageing Resistance	Simulation of real operating conditions	After the process of accelerated thermal ageing: 7 days @+265°C. There are neither cracks nor deformations to be observed on the surface of silicone rubber coating and values obtained for dielectric strength meet the values required in UL1441.
Fire Resistant Test	30 minutes direct hot air gun flow	Interior temperature: 266°C - ΔT: 534°C Pass-Wire cables acc. UNI CEI 50264 & 50306 inside the sleeving with no damage and with continuous current
	30 minutes direct flame exposure at 1000°C	Interior temperature: 312°C - ΔT: 688°C Pass-Wire cables acc. UNI CEI 50264 & 50306 inside the sleeving with no damage and with continuous current
Cold Resistance	UL1441 (winding test): 1 hour at -70°C	There are neither cracks nor deformations to be observed on the surface of silicone rubber coating
Fire Behaviour	EN 45545-2:2013	R22: Hazard level HL1, HL2 R23: Hazard level HL1, HL2
Circuit integrity for electrical small cables used in emergency circuits	EN 50200	Circuit integrity maintained for 30 minutes
Circuit integrity for Electric Cables of Rated Voltage up to and including 0,6/1,0 kV under fire conditions	IEC 60331-21	Circuit integrity maintained for 30 minutes

(*) Tests performed at Warrington Fire LAPi.

DIMENSIONS:

Reference	Size (mm)
SCPTFRT080	8
SCPTFRT120	12
SCPTFRT160	16
SCPTFRT200	20
SCPTFRT250	25
SCPTFRT300	30
SCPTFRT320	32
SCPTFRT450 (**)	45
SCPTFRT600 (**)	60

NOTE: Other diameters supplied upon request.

(**) Sizes under development