Scapa 2501

PIB Self-Amalgamating Tape - 0.5mm

DESCRIPTION

Scapa 2501 is a general-purpose, highly conformable self-amalgamating tape based on PIB (Polyisobutylene) rubber. It is a non-vulcanising tape with excellent electrical properties and can be used for a multitude of applications including low voltage insulation as well as splicing and repair of cables up to 46,000 volts.

APPLICATIONS

- For waterproofing and protecting cables and components on satellite dishes.
- For general-purpose DIY temporary repairs.
- For protection of joints against seawater in marine environments.
- For corrosion protection of metal pipework.
- For insulation, waterproofing and protection of electrical components.
- For general-purpose protection and waterproofing.
- For making watertight seals at polyethylene sleeve joints on polyethylene-sleeved telephone cables both above and below ground.
- For jointing and repairing a wide range of power and distribution cables up to 46 kV.

PRODUCT BENEFITS

- Supplied in an easy to handle and apply tape form. The product is interleaved with a disposable plastic liner.
- Service temperature: -40°C to +90°C.
- The product can be removed cleanly from most substrates, making it suitable for temporary repairs.
- Highly resistant to prolonged immersion in water and has excellent resistance to ozone.
- Compatible with other Scapa electrical tapes, including PVC tapes.
- Compatible with a wide range of rubber and plastic dielectric cable insulation. These include polyethylene, cross-linked polyethylene, ethylene propylene rubber, PVC, butyl and neoprene.
- The tape amalgamates rapidly when applied under tension to provide a void-free homogeneous wrapping, without the need for external heat or pressure.
- Good physical and electrical properties with a high degree of stability under conditions of use.

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TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
Dielectric Strength	42	KV/mm	ASTM D149
Elongation at Break	900	%	BS 903
Tensile Strength	2	MPa	BS 903
Volume Resistivity	1.5×10^{13}	Ohm.m	ASTM D257

STANDARD PRESENTATIONS

- Branding: Scapa
- Core: 38mm dense plastic
- Packaging: Individually shrink-wrapped rolls
- Roll Length: 3m, 5m, 9.1m, 10m
- Roll Width: 19mm, 25mm, 38mm, 50mm,100mm
- Thickness : 0.5 mm

RECOMMENDATIONS

Care should be taken to avoid direct contact between the tape and petroleum-type solvents and oils. Oils may affect the electrical properties of the tape.

The rolls should be stored flat on their cut edges in the original packaging. The product must be protected from dust, heat, moisture, direct sunlight and solvent fumes. Storage temperature between +10°C and +30°C. Under these conditions, the storage life of the tape in a temperate climate will be at least five years.

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