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Technical DATA

Scapa 2504

PIB Self-Amalgamating Tape

DESCRIPTION

Scapa 2504 is a general-purpose insulating, self-amalgamating tape based on PIB (Polyisobutylene) rubber. Its colour is black.

APPLICATIONS

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

PRODUCT BENEFITS

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

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- The product is interleaved with a disposable plastic liner.

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
Thickness	0.75	mm	-
Volume Resistivity	$1x10^{13}$	Ohm.m	ASTM D257

Note:

****This will be taken from the core product for the SAP Material Group****

STANDARD PRESENTATIONS

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

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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