



Scapa 85

Electrical Stress Control Putty

DESCRIPTION

Scapa 85 is a soft, resistive stress control putty, available in roll form or in pads. Its colour is grey.

APPLICATIONS

 For electrical stress control of heat shrinkable joints and terminations of medium voltage polymeric cables.

PRODUCT BENEFITS

- Service temperature: -40°C to +90°C. Overload temperature 120°C.
- The non-linear resistance characteristics of the putty provide effective electrical stress control for cold shrink.
- Single half-lap applications of Scapa 85 pads immediately provides electrical stress control.
- No migration of low molecular weight polymers through silicone rubbers.
- Visco-elastic properties specially designed for cold shrink joints or terminations.
- Can flow in minutes into cracks formed during cable preparation.
- Allows more compact and smaller joints and terminations.
- A single, continuous electrode can be made all along medium voltage joints.
- Easy to handle and apply tape form, in pad or in wide rolls. The putty is interleaved.

TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
Dielectric Constant	10	-	ASTM D150
Dielectric Loss Angle	0.04	1	ASTM D150
Dielectric Strength	4	kV/mm	ASTM D149
Thickness	1.2	mm	-

Version: 4 Generated Date: 09 May 2024 Page: 1 of 2

www.scapacable.com Product Code: 85

This Technical Data Sheet (TDS) is provided by Scapa for information only. The contents of this TDS are considered to be reliable but accuracy is not guaranteed. The results shown in this TDS may not be relevant to all users of the product and it is the user's responsibility to determine the suitability of the product for its intended purpose. Scapa expressly disclaims all express or implied warranties including merchantability and fitness for a particular purpose to the fullest extent permitted by law and does not accept responsibility or liability (whether direct, indirect, or consequential) arising from use of the product or reliance on the TDS. Scapa does not exclude liability for death or personal injury arising from its negligence or fraud. Scapa refers to Scapa Group plc and its subsidiaries.

STANDARD PRESENTATIONS

• Core Diameter: 76mm cardboard

• Pad Packaging: 3 pads protected by one multiple folded siliconised release paper.

• Pads: 0.12m x 188mm

• Roll Packaging: Individually packed for 188mm width rolls.

Note:

Roll Length: 30 metres Roll Width: 25mm

Roll Length: 40 metres Roll Width: 188mm

RECOMMENDATIONS

The putty is attacked and softened by petroleum type solvents and oils (including transformer oils and fluids used in oil-impregnated paper). Scapa 85 should not be used for PILC cable joints or terminations.

The rolls and pads should be stored 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 putty in a temperate climate will be at least two years.

Version: 4 Generated Date: 09 May 2024 Page: 2 of 2

www.scapacable.com Product Code: 85