



## Jacobs 58

### Electrical Stress Control Putty

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#### DESCRIPTION

Jacobs 58 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 Jacobs 58 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	-	ASTM D150
Dielectric Strength	4	kV/mm	ASTM D149
Thickness	1.2	mm	-

## **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). Jacobs 58 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.