



SOFT GUM

Data Sheet

Soft GUM is a soft gum for electrical insulation for low and medium voltage. Placed inside of the junction boxes it allows a greater protection and insulation of the electrical connections from the external environment, such as water, humidity, dust, salt and dirt. In this way the electrical connection will be better protected from particularly aggressive external environments as gardens, public lighting, swimming pools, tunnels, industrial electric installations, etc.

The product looks like a soft, transparent gum which is easily manageable and applicable with the hands in any position of the junction box, even for those already existing, in a horizontal, vertical, flat or inverted position.

The product is ready for use and is manageable even after long periods of application. It does not harden, it is reusable and it is not necessary to wait for cross-linking and/or drying. It must not be mixed with other products. The connection can be put under tension immediately.

Due to its transparency the connection is easily to be inspected. It does not leave any residues, dirty or make greasy. It is applicable in any environmental condition. The product becomes even by itself and any air bubbles are automatically eliminated by the product itself.

How to use.



In the junction box place a layer of about 1 cm of SOFT GUM.

Prepare the connection and place it in the junction box.



Cover the connection completely with SOFT GUM by pressing it so as to distribute the product uniformly in the box. Close the junction box.



Warnings:

Make sure that the box in which the product will be placed is closed and with no cracks, small holes or openings. If there are any fill them in and then proceed with placing the product. The product has a high migratory potential and could leak out of small openings.

Not suitable for silicone products.

Certifications:

IEC 60250 Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including metre wavelengths.

Measured capacitance 12.8 pF

Dielectric constant 2,7 ϵ_r

IEC 60093 Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials

Break down voltage: 11,5 kV

Electric Strength: 9,58 kV/mm

IEC 60243-1 Electrical strength of insulating materials - Test methods - Part 1.: Tests at power frequencies

Measured resistance: $1,05 \times 10^{13} \Omega$

Volume resistivity: $9,7 \times 10^{14} \Omega \cdot \text{cm}$

TEGHNICAL SPECIFICATIONS

Description soft transparent gum

Odor none

Specific gravity 1 gr/cm³

Use temperature: -30°C up to 130°C

PACKAGING:

With 1 kg (1000 gr, 1000 cm³) it is possible to fill approximately:

No. 4 junction boxes with dimensions 8 x 8 x 4 cm

or

no 1 junction box 10 x 7 x 15

Cod. VSOF TGUM05 Packaging in cans of 500 gr

Cod. VSOF TGUM1 Packaging in cans of 1 kg

Available, also pail of 5, 15, 20 and 25 kg.