



TECHNICAL DATA SHEET

Producer: etelec Italy

Blue Gel - Re-enterable two-component silicone gel

Product Description

Blue Gel is a re-enterable two-component silicone gel based on polydimethylsiloxane, with rapid hardening in significant thicknesses, also without atmospheric moisture and specifically developed for filling, silicone and sealing junction boxes containing electrical connections up to 1 kV or electronic components.

Applications

- Encapsulation, waterproofing, moisture sealing and protection of electronic and electrical components and connections
- Encapsulation of systems in solar cells

Benefits

- Non-toxic • Non irritating • Re-enterable • Ecological • Easily pourable
- Odorless
- Excellent resistance to UV
- Low viscosity
- Excellent mechanical dumping

Technical Properties

Component A

Colour Crystalline
Base polydimethylsiloxane
Appearance Fluid
Density (ISO 2781) 0,98 gr/Lt +/- 2%
Mixing Ratio 1:1
Viscosity (ISO 3219) 1150 Cps
Storage stability (+5 °C +25 °C) 12 months

Component B

Colour Blue
Appearance Fluid
Density (ISO 2781) 0,97 gr/Lt +/- 2%
Mixing Ratio 1:1 +/- 2%
Viscosity (ISO 3219) 1000 Cps
Storage stability (+5 °C +25 °C) 12 months

Uncured mixed mass

Colour Clear Blue
Appearance Fluid
Viscosity (ISO 3219) 1075 Cps
Density (ISO 2781) 0,975 gr/Lt +/- 2%
Operating temperature +10 °C +30 °C
Working Time 5 min.
Polymerization Time 12 min.

Cured mixed mass

Colour Clear Blue
Appearance Gel
Density (ISO 2781) 0,97 gr/Lt +/- 2%
Operating temperature -60 °C +180 °C (peaks of 18 h. at +200 °C)
Dielectric Strength (IEC 423) 25,5 Kv/mm
Resistance (IEC 93) 10 G hom/mm
Flame resistance (UL) 94 HB
Linear retraction Lower than 0,1%

Preparation of use

Use at a temperature between +10 °C and +30 °C. For an excellent product application we recommend to use at a temperature of about 21 °C.

The surface must be dry, dust-free, oil-free and without greases. Once you clean the surface don't wait for more than 20 minutes to perform the installation of the product.

Package

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Storage

In the original packaging, in dry and clean environment at temperature between +5 °C and +25 °C, it has a 12 months duration.

Safety measures

Do not throw in the ambient the empty packaging.

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