



TECHNICAL DATA SHEET

MP CRYSTAL GEL - Re-enterable two-component transparent silicone gel
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Product Description

MP Crystal Gel is a re-enterable two-component silicone gel based on polydimethylsiloxane, with rapid hardening 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

- Crystalline transparency
- Non-toxic
- Non irritating
- Re-enterable
- Ecological
- Easily pourable
- Odorless
- Excellent resistance to UV
- Low viscosity
- Excellent mechanical damping



Technical Properties

Component A

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

Component B

Colour	Green
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	Transparent
Appearance	Fluid
Viscosity (ISO 3219)	1000 Cps
Density (ISO 2781)	0,97 gr/Lt +/- 2%
Operating temperature	+10 °C +30 °C
Working Time	8 min.
Polymerization Time	18 min.



Cured mixed mass

Colour	Transparent
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)	24,5 Kv/mm
Resistance (IEC 93)	10 G ohm/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

Two bottles of 0,5 liters

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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