



## Technical Data Sheet

### MP-GEL - Two part gel

#### Product Description

MP-GEL is a two-part low viscosity liquid silicone, which cures at room temperature to form a silicone gel. It is supplied with curing agent in matched kits, which are designed for use at a convenient 1:1 mixing ratio by weight. MP-GEL is a clear colourless product, easy to pour due to its very low viscosity.

#### Key Performance Properties

- 1:1 mixing by weight
- Low viscosity
- Fast cure at room temperature
- Soft gel with high elasticity

#### Application

Potting of electrical cable, encapsulating, shock dampening.

#### Typical Product Data

Uncured Mixed Properties		A	B
Colour		translucent	translucent
Viscosity at 20°C	mPa·s	150	150
Pot Life at 23°C	min	10	
Cure Time at 23°C	min	20	

Cured Properties (30 minutes at 120°C)		
Dielectric strength <sup>1</sup>	kV/mm	24.5
Penetration (62,5 g plastic cone)	1/10 mm	200

<sup>1</sup> Sample thickness 1 mm

#### Instructions for Use

##### Mixing:

MP-GEL is a kit-matched product. As such, work time (pot life), cure time and final cure properties can only be assured if the batch numbers on the A component and B component are identical and the material is mixed at a ratio of 1:1 (by weight)

##### Compatibility:

MP-GEL will reliably cure on substrates with a clean and dry surface. Certain materials such as butyl and chlorinated rubber, sulfur containing materials, amines and certain metal soap-cured silicon rubber compounds can cause cure inhibition. Cure inhibition is characterized by a gummy appearance of the silicone at the interface between the silicone and the substrate.



## Handling and Safety

Material Safety Data Sheets are available upon request from Etelec S.p.A.

## Availability

The material is available in :

- 1 litre bottles kit **(MP0100)**
- 10 litres tanks kit **(MP1000)**
- 0,170 litre double pack **(MPSG170)**
- 0,240 litre double pack **(MPSG240)**
- 0,420 litre double pack **(MPSG420)**
- 0,600 litre double pack **(MPSG600)**