Description: RELICON Religel is a transparent, elastic 2-component silicone gel. It is delivered in practical transparent bottles and canisters. It is particularly suited to fill junction boxes for low voltage applications. After curing, RELICON Religel has excellent resistance to moisture and excellent insulating properties as well as very good chemical resistance.

Application: Electrical insulation and moisture resistance for low voltage applications, whether its telecommunications equipment or electronic components. Particularly suited for insulating cables and wires in junction boxes.

Properties:
Practical in transparent dosing bottles or cans
Comes with measuring cup and stirring rod
Visible homogenous mixing owing to the green component
Flexibility because even small volumes can be mixed on-site
Mixing ratio 1:1
Unlimited shelf-live if unopened
Non-toxic according to the current CLP directive
Isocyanate-free and halogen-free
No danger to health during processing
Excellent flow behaviour
Removable
Flexible
Connections can be checked visually
Vibration-absorbing properties
Outstanding insulating properties

Component A

Colour	: Cystalline
Base	: Polydiemethylsiloxane
Density (ISO 2781)	: 0,97 gr/cm^3 +/- 2%
Mixing Rario	: 1:1
Viskosity Brookfield (ISO2555)	: 1000 cP

Component B

Colour	: Crystalline
Base	: Polydiemethylsiloxane
Density (ISO 2781)	: 0,97 gr/cm^3 +/- 2%
Mixing Rario	: 1:1
Viskosity Brookfield (ISO 2555)	: 1000 cP

Cured mixed mass

Colour	: Crystalline
Density (ISO 2781)	: 0,97 gr/cm3 +/- 2%
Operating Temperatur	: -60°C/+200 °C
Dielectric Strength (EN 6024)	: 24,5 kv/mm
Resistance (IEC 93)	: 10 GΩ/ mm
Linear retraction	: Lower than 0,1%
Thermal conductivity	: 0,15 W /m °K
Pot life (at 23°C)	: 10 min
Curing time	: 20 min
Storage	: In the original packaging, in dry and clean environment at temperature +5°C an +25°C
Prepartion of use	: The surface must be dry, dust-free, oil-free and without greases.

Two-component silicone gel are inhibited by:

Sulfur in all forms an percentages
Polyester resins
Polyurethane
Epoxy
Phenolic
RTV1 Silicone
Hybrid STPE or MS polymer, is not perfectly crosslinked, as the catalyst decays in the presence of amines, isocyanates, peroxides, organic tin compounds in their most varied forms.

This does not mean that the resins listed above are not compatible with the gel provides, but it is necessary that these are fully and appropriately cross-linked. The possible presence of a minimal part of the above mentioned elements does not leasd to not crosslink the produkt but strongly slows the close time.

Note:
The informations contained herein is based an data available to us and is believed to be correct. Since this informations may have been obtained in part from independent laboratories or other sources not under our direct supervision, no representation is made that the information is accurate,reliable, complete or representative and the Buyer may rely thereon only at the buyer´s risk. We make no gurantee that the health and safety precautions we have suggested will be adequate for all individuals and/or situations involving it´s handling and use.

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