



INTERCOMS
LED DISPLAY



Gel: UL 94-HB  

Dielectric strength:

>20 kV/mm

Cross linking time:

about 15 min. at 23°C

Volume resistivity:

>1,5 x 10¹⁵ Ω cm

Operating temperature:

-60°C / +180°C

Thermal conductivity:

< 0,2 W/m²K

Dielectric constant:

< 7

Degree of protection:

IP68 (in proper casings)

Ray Gel protects against dust and seals the connections from the effects of continuous immersion in water when it is poured into casings protected from the ingress of solid bodies, thus helping to create a IP68 system.

IP68
OFFICIALLY
TESTED | **IMQ**

RAY GEL

Insulating, sealing, re-enterable fast cross linking two-component silicone gel for telephone and intercom systems and for LED and display protection.

ADVANTAGES

- ▶ Quick cross linking.
- ▶ Antioxidant protection.
- ▶ Low temperature resistant.
- ▶ The gel is not-classified as hazardous under the CLP Directive.
- ▶ No shelf life.





RED

- Specially formulated for UV resistance
- Suitable for "surface" installations
- Ideal for intercom systems



TRANSPARENT

- Excellent transparency
- Does not opacify
- Ideal for protecting printed circuit boards, for sealing displays, for insulating and sealing LEDs



Problem TELECOM

What does a gel for this type of system have to give?

- ✓ **SEALING:** Installations also possible in humid environments, flooded wells.
- ✓ **DEGREE OF PROTECTION:** IP68 in proper casing.
- ✓ **PREVENTION FROM OXIDATION:** Contacts in Telecom connections shouldn't give attenuations (low signal currents).
- ✓ **HIGH INSULATION FLUIDITY:** During casting, the the insulation has to fill all interstitial spaces between the cores of the cable.
- ✓ **ANTICRACKING:** Insulation in the permanently cold joint should not crack at low temperatures.
- ✓ **INSULATION:** The filler should be an insulating component.

Solution: Ray Gel meets all your Telecom system requirements.



PRODUCT / Item	Colour	Package type	Total quantity
BAG GEL 200-T BAGGEL200-T	○	Two-component single dose bags	200 gr
BAG GEL 400-T BAGGEL400-T	○		400 gr
BAG GEL 200-R BAGGEL200-R	●		200 gr
BAG GEL 400-R BAGGEL400-R	●		400 gr
RAY GEL 300-T RAYGEL300-T	○	2 bottles	300 gr
RAY GEL 1000-T RAYGEL1000-T	○		1000 gr
RAY GEL 300-R RAYGEL300-R	●		300 gr
RAY GEL 1000-R RAYGEL1000-R	●		1000 gr
RAY GEL 10K-T RAYGEL10K-T	○	2 tanks	10 kg
RAY GEL 20K-T RAYGEL20K-T	○		20 kg
RAY GEL 10K-R RAYGEL10K-R	●		10 kg
RAY GEL 20K-R RAYGEL20K-R	●		20 kg