



SI 4

WATER-REPELLANT SILICONE GREASE

DEFINITION

Insulating, non-adhesive, water-repellent paste formulated from silicone for assembling and various greasing.

ADVANTAGES

- Non-adhesive.
- Water-repellent grease demonstrates excellent hold in liquids.
- Lubricates, and provides optimal sliding.
- Reinforced resistance to rusting; withstands solvents and chemical agents extremely well.
- Demonstrates reinforced dielectrical characteristics, even in humid environments.
- Chemically inert; does not corrode metals.
- Compatible with plastics, rubber materials, nitrile and EPDM.

APPLICATION FIELDS

- SI 4 is especially recommended as an insulating water-repellent.
- Protects against electrolytic corrosion.
- Electrical equipment, relays, connectors, antennas and more.
- Battery terminals, pin head adaptors for lamps, and all equipment requiring protection from water.
- Lubrication during assembly of parts when there is very little backlash. Facilitates sliding. Lubricant for metal/plastic, metal/elastomer surfaces.
- Treat rubber O-rings.
- Suitable for greasing devices in vacuum.

TECHNICAL CHARACTERISTICS

Aspect	Colourless, translucent
Grade N.L.G.I	2
Drop point	None
Evaporation in 24 hours at 200°C	3%
Worked penetration after 60 strokes at 25°C	225-250
Freezing point	<-50°C
Operating temperature	-40°C to 200°C

1/2

Manufacturing site and registered office

Parc Industriel de la Plaine de l'Ain - 225 allée des Cèdres - 01150 Saint-Vulbas - FRANCE

Tél. +33 (0)4 74 40 20 25 - Fax +33 (0)4 74 40 20 26 - www.orapi-maintenance.com

TECHNICAL CHARACTERISTICS - continued

Di-electrical strength kV/mm	20
Dielectric constant at 25°C (10 ² cycles/s)	2.85
Loss tangent at 25°C (10 ² cycles/s)	0.0006
Volume resistivity at 25°C ohm/cm	1.10
Arc resistance, in seconds, minimum	80

INSTRUCTIONS FOR USE

Surfaces that have been previously lubricated with a mineral-based grease must be perfectly clean before application of SI 4.

PACKAGING

100 g tube	Ref. 3621 T3	x 12
1 kg box	Ref. 3621 B7	x 6
25 kg drum	Ref. 3621 O2	x 1

AUTHORISATION

- Complies with Army – NATO G 392
- Complies with ATEX 94/9/CE Directive

2/2

Manufacturing site and registered office

Parc Industriel de la Plaine de l'Ain - 225 allée des Cèdres - 01150 Saint-Vulbas - FRANCE

Tél. +33 (0)4 74 40 20 25 - Fax +33 (0)4 74 40 20 26 - www.orapi-maintenance.com