



## SAPPHIRE AQUA-SIL HI-LOAD

Silicone grease, with molybdenum disulphide, for long term lubrication at extreme temperatures.

Designed for the lubrication of slow speed bearings, slides, stenter width adjustment spindles, 'o' rings etc... . The grease has a high dielectric strength, is resistant to chemicals, oils and gases and can be used as an electrical insulating and filling compound.

### FEATURES

- Ø Temperature range  $-40^{\circ}\text{C}$  to  $200^{\circ}\text{C}$  ( $220^{\circ}\text{C}$  short periods)
- Ø Good resistance to chemicals, oils, water and gases
- Ø Does not affect most rubbers and plastics
- Ø Suitable for use as an electrical insulating and filling compound
- Ø Water Bylaws Scheme approved product (UKWFBS listed) for use with both hot and cold potable water.

### DIRECTIONS FOR USE

- Ø Apply manually or with a suitable applicator capable of handling NLGI No. 3/4 silicone greases
- Ø It is recommended that bearings be purged of previous lubricants before application

### Technical and Safety Data Sheets are available from:

**Fax Back Facility** : +44 (0)113 232 2770

**Web Site** : [www.rocol.com](http://www.rocol.com)

**Customer Service** : +44 (0)113 232 2700

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#### **ROCOL Lubricants**

ROCOL House, Swillington, Leeds LS26 8BS, England.

Tel: +44 (0)113 232 2600 Fax: +44 (0)113 232 2760

[www.rocol.com](http://www.rocol.com)

[www.rocolshop.com](http://www.rocolshop.com)

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The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

TECHNICAL DATA



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## TECHNICAL DATA (typical values)

Appearance	Smooth grey/black grease
NLGI No. (IP 50)(ASTM D217)	NLGI No. 3/4
Base type	Silicone
Thickener	Inorganic colloid
Solids	Molybdenum disulphide
Temperature range	-40 <sup>0</sup> C to 200 <sup>0</sup> C (220 <sup>0</sup> C short periods)
Base fluid viscosity at 40 <sup>0</sup> C	700 cSt
Base fluid viscosity at 100 <sup>0</sup> C	380 cSt
Evaporation Loss - 24hrs @ 100 <sup>0</sup> C	<0.5%
Oil separation (IP 121) 24hrs @ 100 <sup>0</sup> C	<2.5%
Resistance to water (DIN51807)	Fully resistant; '0' Rating
Oxidation resistance (Pressure drop)(IP142)	Less than 1psi
Corrosion tests 24hrs @ 100 <sup>0</sup> C Copper (IP112)	No stain
Dielectric strength	30 kv/mm
Volume Resistivity	3 x 10 <sup>11</sup> ohm/m
DmN factor	100,000
Storage	Storage temperature should be controlled to between 1 and 40 °C.
Pack sizes	85g, 500g, 5kg

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