

Product INFORMATION

FUCHS LUBRICANTS (UK) PLC
Tel: +44 (0)8701 200400
Fax: +44 (0)1782 202073
New Century Street
Hanley
Stoke on-Trent
ST1 5HU
Website: www.fuchslubricants.com
Email: contact-uk@fuchs-oil.com



RENOLIT SM 2

A high quality silicone grease of NLGI 2 consistency.

RENOLIT SM 2 is tasteless, odourless and exhibits reduced toxicity. It is highly water repellent and may be applied to surfaces to protect them from the adverse effects of moisture.

RENOLIT SM 2 has little effect on most materials. It has no effect on metals or most plastics. With natural or synthetic rubbers it may, after prolonged contact, have some slight effect due to the removal of plasticisers.

This silicone grease remains essentially unaltered at temperatures between -40°C to +200°C.

Features and Benefits

- High-quality water-repellent grease which protects materials from moisture.
- Can be used on most materials.
- Reduced toxicity, odourless and tasteless.
- Essentially unaltered over a wide range of temperatures (-40°C to +200°C).
- Meets appropriate British and U.S. Specifications.
- Formulated using FDA listed ingredients that meet USDA-H1 requirements.
- All components listed within FDA Regulations, CFR 21, Section 178.3570.

Typical Applications

Metals.

Most plastics.

Natural and synthetic rubber.

Where temperatures go up to +200°C.

Also suitable for use as a "food-grade" grease where incidental food contact is possible.

Typical Inspection Data

Colour	Opaque white
Texture	Smooth
Thickening agent	Silica
Drop point °C ISO2176	>230
Worked penetration 1/10 mm ISO2137	250-300
Prolonged penetration (10 ⁵ strokes) 1/10 mm ISO2137	+70
NLGI grade	2 approx.
Low temperature torque @ -40°C IP186	
Starting torque mNm	147
Running torque mNm	184
Oil separation 7 days @ 40°C %wt IP121	0.22
Oxidation stability maximum pressure drop 100 hours - bar IP142	0.07
Water spray resistance test %wt ASTM D4049	3.50
Copper corrosion 24 hr @ 100°C IP112 (Mod.)	Passes
4 ball wear test 40kg 1 hour mm IP239	1.35
Evaporation loss 22 hours @ 99°C %wt IP183	0.17
Sphere of use °C	-40 to +200

Fluid Component

Type	Silicone fluid
Kinematic viscosity @ 40°C mm ² /s ISO3104	1000