

Product I N F O R M A T I O N

FUCHS (UK) PLC.
New Century Street
Hanley
GB-Stoke-on-Trent,
Staffordshire, ST1 5HU



RENOLIT SM 2

Silica Grease Containing PTFE

Description

RENOLIT SM 2 is approved by the Water Regulations Advisory Scheme (WRAS) (previously known as the WRc), according to British Standard BS 6920 for lubricants suitable for potable water installations.

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.

Application

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.

Specifications

- Formulated using ingredients that meet USDA-H1 requirements and listed within FDA Regulations, CFR 21, Section 178.3570.
- Meets appropriate UK and U.S. Specifications.
- Approved by Water Regulations Advisory Scheme, BS 6920.

Advantages / 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).

August 2002 GDUK Page 1 of 2

The above information is supplied to the best of our knowledge and belief on the basis of the current state-of-the-art and our own development work. Subject to amendment.

Product INFORMATION

FUCHS (UK) PLC.
New Century Street
Hanley
GB-Stoke-on-Trent,
Staffordshire, ST1 5HU



Typical Data: RENOLIT SM 2

Characteristics	Unit		Test Method
Colour		Opaque white	
Texture		Smooth	
Thickening agent		Silica	
Drop point	°C	>230	ISO2176
Worked penetration	1/10 mm	250-300	ISO2137
Prolonged penetration (10 ⁵ strokes)	ISO2137	+70	ISO2137
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	0.22	IP121
Oxidation stability maximum pressure drop 100 hours	bar	0.07	IP142
Water spray resistance test	%wt	3.50	ASTM D4049
Copper corrosion 24 hr @ 100°C		Passes	IP112 (Mod.)
4 ball wear test 40kg 1 hour	mm	1.35	IP239
Evaporation loss 22 hours @ 99°C	%wt	0.17	IP183
Sphere of use	°C	-40 to +200	

Fluid Component

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

NOTE

Formerly known as LUBE 4 FOOD HIGH TEMP GREASE approved by the Water Regulations Advisory Scheme.

August 2002 GDUK Page 2 of 2

The above information is supplied to the best of our knowledge and belief on the basis of the current state-of-the-art and our own development work. Subject to amendment.