

Rhenus Norlith STM 2

Lithium Low-Noise EP Grease – NLGI-Grade 2

Description

Rhenus Norlith STM 2 is a high performance EP-grease based on high quality mineral oil.

Application and Properties

Rhenus Norlith STM 2 is suitable for lubrication of anti-friction bearings subjected to high pressures within a wide speed range.

Rhenus Norlith STM 2 is preferably used for lubrication of anti-friction bearings, if low noise properties are required, as well as for the lubrication of linear ball guides

Advantages:

- extremely resistant to oxidation
- high stability
- water resistant
- corrosion resistant
- high pressure load capacity
- low friction torque
- good adhesiveness

Technical Data

Thickener		Lithium-Soap
Operating temperature for long-term lubrication		-30 to +130 °C
Short time admissible temperature peak value		+150 °C
Permanent temperatures above 130 °C require regreasing at shorter intervals subject to thermal load		
Noise-Test (FAG - MGG 11)	FAG-Method	II / 1
Drop point	ASTM D 2265	> 180 °C
Worked penetration after 60 strokes	ASTM D 217	265 to 295 1/10 mm
Penetration loss after 100 000 strokes	ASTM D 217	< 20 1/10 mm
Flow pressure at -30 °C	DIN 51 805	<1400 mbar
Type of base oil		Mineral Oil
Base oil viscosity at 40 °C	ASTM D 445	80 mm ² /s
Water resistance	DIN 51 807-01	1 – 90
SKF Emcor Test	IP 220/85	Corrosion degree 0/0
Copper Strip Test	ASTM D 4048	Corrosion degree 1 - 100
Resistance to oxidation after 100 h	ASTM D 942-70	< 0,5 bar
Oil separation (18h / 7d)	DIN 51 817 K / N	1,8% / 4,9%
FAG-FE9 - Test	DIN 51821-02-A/ 1500/6000-130	F ₅₀ > 130 h
Designation	DIN 51 502	KP 2 K-30

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

Edition

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