

Rhenus Norplex LKR 2

Lithium Complex EP Grease – NLGI-Grade 2

Description

Rhenus Norplex LKR 2 is a high performance EP-grease based on high quality semi-synthetic oil.

Application and Properties

Rhenus Norplex LKR 2 suits for lubrication of roller and friction bearings under extreme pressure load at high temperatures.

Rhenus Norplex LKR 2 offers a high mechanical stability, good sealing up properties against dust and water. Therefore it suits in most cases for life time lubrication and for the lubrication of oscillating bearings. It is specifically recommended for lubrication of railway axle bearings as well as wheel bearings in passenger cars and trucks.

Advantages:

- good pumpable in central lubricating systems
- high thermal resistance
- extremely resistant to oxidation
- water resistant
- high stability
- corrosion resistant
- high pressure load capacity
- good adhesiveness

Technical Data

Thickener		Lithium-Complex-Soap
Operating temperature for long-term lubrication		-30 to +150°C
Short time admissible temperature peak value		+200°C
Permanent temperatures above 150°C require re-greasing at shorter intervals subject to thermal load		
Drop point	ASTM D 2265	> 260°C
Worked penetration after 60 strokes	ASTM D 217	265 to 295 1/10 mm
Penetration loss after 100 000 strokes	ASTM D 217	< 30 1/10 mm
Type of base oil		Semi synthetic
Base oil viscosity at 40°C	ASTM D 445	100 mm²/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 - 150
FAG-FE9 - Test	DIN 51821-02-A/ 1500/6000-150	F ₅₀ > 100 h
FAG-FE8 - Test, 536048 taper roller bearing	E DIN 51 819-02- 1500/20-70	m _w = 8 / 7 mg
Timken Test, well load	ASTM D 2509	50 lbs (222,5 N)
Designation	DIN 51 502	KP 2 P-30

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

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