

rhenus LKP 2

Lithium Complex EP Grease – NLGI-Grade 2

Description

rhenus LKP 2 is a high performance EP-grease based on high quality mineral oil.

Application and Properties

rhenus LKP 2 suits for lubrication of roller and friction bearings under extreme pressure load at high temperatures.

rhenus LKP 2 offers high mechanical stability, good seal 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 wheel bearing lubrication in vehicles and trucks.

Advantages:

- 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		-20 to +150°C
Short time admissible temperature peak value		+200°C
Permanent temperatures above 150°C require regreasing 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		Mineral oil
Base oil viscosity at 40° C	ASTM D 445	115 mm²/s
Water resistance	DIN 51 807-01	1 - 90
SKF Emscor 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
Timken Test, well load	ASTM D 2509	50 lbs (222,5 N)
Designation	DIN 51 502	KP 2 N-20

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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