

rhenus LKG 2

Lithium complex EP grease



- Description** **rhenus LKG 2** is a synthetic-based multigrade EP grease.
- Application and Properties** **rhenus LKG 2** is suitable for the lubrication of roller and plain bearings subjected to pressure and shock loads over a wide operating temperature range. **rhenus LKG 2** has been specially developed for high-speed bearings with speed characteristics of up to (n dm) 1,150,000. The preferred application is spindle-bearing lubrication.
- Practical examples** Electromechanical brakes, axles of active roll stabilizers, EPS steering gear and ball screw, passenger car engine starter, gear setter.
- Tests or use in applications must always be discussed in advance with our application-engineering department.
- Special advantages:**
- low starting resistance at low temperatures
 - very resistant to aging
 - water resistant
 - mechanically very stable
 - corrosion-protective
 - good adhesion

Technical Data

Property	Method	Unit	min	max	typical
Thickener			Lithium Complex Soap		
Service temperature range*		°C	- 50	150	
Temporary permissible temperature*		°C		200	
Drop point	DIN ISO 2176	°C	250		
Worked penetration after 60 DS	DIN ISO 2137	¹ / ₁₀ mm	265	295	
Base oil type			Synthetic oil		
Base oil - Viscosity at 40 °C	DIN 51 562-01	mm ² / s			30
Emcor-Test	DIN 51 802				0 – 0
Water resistance	DIN 51 807-01				1 - 90
Corrosion effect on copper	DIN 51 811				1 - 120
Mechanical dynamic testing FAG - FE 9	DIN 51821-02- A/1500/6000-140	h	F ₅₀ > 150		
Low temperature starting torque at - 50 °C	ASTM D 1478	mNm			500
Flow pressure at - 50 °C	DIN 51 805	hPa		1400	
Designation	DIN 51 502		KPHC 2 N-50		

* The service temperature range and short-term permissible temperature peaks should only be regarded as guide values, which may depend on the specific application and environmental influences.

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Notes We reserve the right to change the technical data at any time. For additional information, please refer to our safety data sheet or contact our application technology department.
All information in this data sheet is intended solely as a guide to possible areas of application. However, they do not constitute guaranteed assurances regarding the suitability of the product for individual applications. Furthermore, they do not release the user from the obligation to test the suitability of the product in a trial. Our application-engineering department will be pleased to advise you on this. The information marked as typical values is based on our general experience and does not represent a guarantee of properties