

LGHP 2

SKF High Performance, High Temperature Bearing Grease

SKF LGHP 2 is a premium quality mineral oil based grease, using a modern Polyurea (di-urea) thickener. It is suitable for electric motors and similar applications.

- Extremely long life at high temperatures
- Wide temperature range
- Excellent corrosion protection
- High thermal and mechanical stability
- Good start-up performance at low temperatures
- Compatibility with common polyurea and lithium thickened greases
- Low noise properties

Typical applications:

- Electric motors: Small, medium and large
- Industrial fans, including high speed fans
- Water pumps
- Rolling bearings in textile, paper processing and drying machines
- Applications with medium and high speed ball (and roller) bearings operating at medium and high temperatures
- Clutch release bearings
- Vertical shaft applications
- Kiln trucks and rollers



Technical data

Designation	LGHP 2/(pack size)
DIN 51825 code	K2N-40
NLGI consistency class	2-3
Soap type	Di-urea
Colour	Blue
Base oil type	Mineral
Operating temperature range	-40 to +150 °C (-40 to +300 °F)
Dropping point DIN ISO 2176	>240 °C (>465 °F)
Base oil viscosity	
40 °C, mm ² /s	96
100 °C, mm ² /s	10,5
Penetration DIN ISO 2137	
60 strokes, 10 ⁻¹ mm	245-275
100 000 strokes, 10 ⁻¹ mm	365 max.
Mechanical stability	
Roll stability, 50 hrs at 80 °C, 10 ⁻¹ mm	365 max.
Corrosion protection	
Emcor: - standard ISO 11007	0-0
- water washout test	0-0
- salt water test (100% seawater)	0-0

Water resistance	
DIN 51 807/1, 3 hrs at 90 °C	1 max.
Oil separation	
DIN 51 817, 7 days at 40 °C, static, %	1-5
Lubrication ability	
R2F, running test B at 120 °C	Pass
Copper corrosion	
DIN 51 811, 110 °C	1 max. at 150 °C (300 °F)
Rolling bearing grease life	
ROF test	1 000 min.
L ₅₀ life at 10 000 r/min., hrs	at 150 °C (300 °F)
Fretting corrosion	
ASTM D4170 (mg)	7*
Available pack sizes	420 ml cartridge 1, 5, 18, 50, 180 kg SKF SYSTEM 24 (LAGD/LAGE)

* Typical value



SKF lubricants offer major competitive advantages:

- Designed and tested to outperform under real conditions
- Product data include specific test results enabling a better selection
- Strict quality control of every production batch help ensure consistent performance
- Quality control allows SKF to offer a five-year shelf-life* from the date of production



Production processes and raw materials vastly influence grease properties and performance. It is virtually impossible to select or compare greases based only on their composition. Therefore, performance tests are needed to provide crucial information. In over 100 years, SKF has accrued vast knowledge about the interaction of lubricants, materials and surfaces.



This knowledge has led SKF, in many cases, to set industry standards in bearing lubricant testing. Emcor, ROF, ROF+, V2F, R2F and Bequiet are just some of the multiple tests developed by SKF to assess the performance of lubricants under bearing operating conditions. Many of them are widely used by lubricant manufacturers worldwide.

* SKF LGFP 2 food grade grease offers a two-year shelf-life from the date of production

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