SKF Bearing grease LGHP 2

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

Available pack sizes

Pack size	Designation
420 ml cartridge	LGHP 2/0.4
1 kg can	LGHP 2/1
5 kg can	LGHP 2/5
18 kg pail	LGHP 2/18
50 kg drum	LGHP 2/50
170 kg drum	LGHP 2/170

Technical data

Designation	LGHP 2/pack size
DIN 51825 code	K2N-40
NLGI consistency class	2–3
Thickener	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 (0.5% NaCl)	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, %	3 max.
Lubrication ability	
R2F, running test B at 100 °C	Pass
Copper corrosion	
DIN 51 811	1 max. at 150 °C *(300 °F)*
Rolling bearing grease life	
R0F test L_{50} life at 10 000 r/min., hrs	1 000 min. at 150 °C *(300 °F)*
Shelf life	5 years

These characteristics represent typical values.

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