



LGEV 2/50 Extremely high viscosity bearing grease with solid lubricants

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A mineral oil based grease, using a lithium-calcium soap. Its high content of molybdenum disulphide and graphite, in conjunction with an extremely high viscosity oil, provide outstanding protection under the harshest conditions involving high loads, slow rotations and severe vibrations.

- Extremely suitable for lubricating large sized spherical roller bearings subject to high loads and slow rotations, a situation where microslip is likely to occur
- Extremely mechanically stable providing good water resistance and corrosion protection

Overview

Dimensions

Product weight	50 kg
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Performance

Suitable for High load applications	++
Suitable for Vertical shaft applications	0
Suitable for applications with Oscilating movements	0
Suitable for applications with Severe vibrations	+
Suitable for applications that require Rust protection	+
Suitable for applications that require Water resistance	+
Suitable for applications that require Frequent start-up	++
Speed (max.) n x dm (x 1000)	300
Operating temperature range	-10 – 120 °C
Dropping point (min) ISO 2176	180 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 ¹ mm)	265 - 295
Penetration DIN ISO 2137, Prolonged	+50

(max.), 100 000 strokes, 10¹mm

Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 ¹ mm	+50
Mechanical stability, V2F test, 144 hrs	M
Corrosion protection, Emscor, ISO 11007, Distilled water	0-0
Corrosion protection, Emscor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emscor, ISO 11007 modified, 0.5% NaCl	2-2
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
Oil separation DIN 51817, 40°C, %	1-5
Lubrication ability, R2F test B at 120°C	Pass at 100°C
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	1 max.
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 100°C
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	1.2 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	3 000 N

Properties

DIN 51825 code	KPF2K-10
NLGI consistency class	2
Thickener	Lithium/calcium
Colour	Black
Base oil type	Mineral
Base oil viscosity DIN 51562 at 40 °C	1 020 mm ² /s
Base oil viscosity DIN 51562 at 100 °C	47 mm ² /s
Shelf life	5 year
Packsize	50 kg drum
Available for single point lubrication	no

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