

# LGEM 2/18

## High viscosity bearing grease with solid lubricants

A high viscosity, mineral oil based grease using a lithium soap. Its content of molybdenum disulphide and graphite provides extra protection for harsh applications subjected to high loads, heavy vibrations and slow rotations.

- High oxidation stability
- Molybdenum disulphide and graphite provide lubrication even if the oil film breaks down.



NOT FOUND

### Overview

### Performance

Speed (max.) n x dm (x 1000)	300
Dropping point (min) ISO 2176	180 °C
Base oil viscosity DIN 51562 at 40 °C	500 mm
Base oil viscosity DIN 51562 at 100 °C	32 mm
Penetration DIN ISO 2137, Worked, 60 strokes (10-1mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10-1mm	+50
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10-1mm	+50
Mechanical stability, V2F test, 144 hrs	M
Corrosion protection, Emcor, ISO 11007, Distilled water	0-0
Corrosion protection, Emcor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emcor, 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	2 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	3 400 N
Low temperature torque, Start/Running, mNm	150/50 at -20°C
Product weight	18 kg

## Properties

Recommended applications	Rolling element bearings running at low speed and very high loads; Jaw crushers; Crane arms
DIN 51825 code	KPF2K-20
NLGI consistency class	2
Thickener	Lithium/calcium
Colour	Black
Base oil type	Mineral
Operating temperature range	-20 to +120 °C
Shelf life	5 year

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