



LGEM 2/5 High viscosity bearing grease with solid lubricants

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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.

Overview

Dimensions

Product weight	5 kg
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Performance

Recommended applications	Rolling element bearings running at low speed and very high loads Jawcrushers Crane arms
Suitable for High load applications	++
Suitable for Vertical shaft applications	+
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 -20 – 120 °C

Dropping point (min) ISO 2176 180 °C

Penetration DIN ISO 2137, Worked, 60 strokes (10¹mm) 265 - 295

Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10¹mm +50

Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10¹mm +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 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
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Properties

DIN 51825 code	KPF2K-20
NLGI consistency class	2
Thickener	Lithium/calcium
Colour	Black
Base oil type	Mineral
Base oil viscosity DIN 51562 at 40 °C	500 mm ² /s
Base oil viscosity DIN 51562 at 100 °C	32 mm ² /s
Shelf life	5 year
Packsize	5 kg can
Available for single point lubrication	yes

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