

LGEM 2

SKF High Viscosity Bearing Grease with Solid Lubricants

SKF LGEM 2 is 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

Typical applications:

- Rolling element bearings running at low speed and very high loads
- Jaw crushers
- Track laying machines
- Lift mast wheels
- Building machines such as mechanical rams, crane arms and crane hooks



Technical data

Designation LGEM 2/(pack size)

DIN 51825 code KPF2K-20

NLGI consistency class 2

Soap type Lithium

Colour Black

Base oil type Mineral

Operating temperature range -20 to +120 °C
(-5 to +250 °F)

Dropping point DIN ISO 2176 >180 °C (>355 °F)

Base oil viscosity
40 °C, mm²/s 500
100 °C, mm²/s 32

Penetration DIN ISO 2137
60 strokes, 10⁻¹ mm 265–295
100 000 strokes, 10⁻¹ mm 325 max.

Mechanical stability
Roll stability, 50 hrs at 80 °C, 10⁻¹ mm 345 max.
V2F test 'M'

Corrosion protection

Emcor: – standard ISO 11007 0–0
– water washout test 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 at 100 °C (210 °F)

Copper corrosion

DIN 51 811, 110 °C 2 max. at 100 °C (210 °F)

EP performance

Wear scar DIN 51350/5, 1 400 N, mm 1,4 max.
4–ball test, welding load DIN 51350/4, N 3 000 min.

Available pack sizes

420 ml cartridge
5, 18, 180 kg
SKF SYSTEM 24
(LAGD/TLSD)