



Re-lubrication



# SKF Product Data Sheet

## LGEM 2

### SKF High viscosity bearing grease with solid lubricants

LGEM 2 is a premium quality, high viscosity, mineral oil based grease using a lithium soap containing molybdenum disulphide and graphite.

- Good lubrication for bearings operating under high loads and slow rotations
- Safe lubrication due to the inclusion of molybdenum disulphide and graphite

#### 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



#### Bearing operating conditions

Temperature	Medium
Speed	Very Low
Load	High to Very High
Vertical shaft	○
Fast outer ring rotation	—
Oscillating movements	+
Severe vibrations	+
Shock load or frequent start-up	+
Low noise	—
Low friction	—
Rust inhibiting properties	+

+ = Recommended    ○ = Suitable    — = Not suitable

#### Available pack sizes LGEM 2

SYSTEM 24		
420 ml cartridge	5 kg can	18 kg can
		180 kg drum

#### Technical data

Designations	LGEM 2	
DIN 51825 code	KPF2K-20	
NLGI consistency class	2	
Soap type	Lithium	
Colour	Black	
Base oil type	Mineral (fluorinated polyether)	
Operating temperature range, °C (°F)	-20 to 120 (-4 to 250)	
Dropping point DIN ISO 2176, °C (°F)	>180 (356)	
Base oil viscosity:		
40 °C, mm <sup>2</sup> /s	500	
100 °C, mm <sup>2</sup> /s	32	
Penetration DIN ISO 2137:		
60 strokes, 10 <sup>-1</sup> mm	265 - 295	
100 000 strokes, 10 <sup>-1</sup> mm	325 max.	
Mechanical stability:		
Roll stability, 50 hrs at 80 °C, 10 <sup>-1</sup> mm	345 max.	
Roll stability, 72 hrs at 100 °C, 10 <sup>-1</sup> mm	-	
SKF V2F test	'M'	
Corrosion protection: SKF Emcor		
- standard ISO 11007	0 - 0	
- water washout test	0 - 0	
- salt water test (100% seawater)	-	
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	SKF R2F, running test B    Pass at 100 °C (212 °F)	
Copper corrosion	DIN 51 811, 100 °C    2 max.	
Rolling bearing grease life	SKF R0F test L50 life at 10 000 rpm, hrs    -	
EP performance	Wear scar DIN 51350/5, 1 400 N, mm    1,4 max.	
	4-ball test, welding load DIN 51350/4    3 000 min.	
Fretting corrosion	ASTM D4170 (mg)	
Designation	LGEM 2/(pack size)	

\* Typical value

#### SKF Maintenance Products

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