SKF low temperature, extremely high speed bearing grease LGLT 2

LGLT 2 is a premium quality, fully synthetic oil based grease using a lithium soap. Its unique thickener technology and its low viscosity oil (PAO) provide excellent lubrication performances at low temperatures (-50°C) and extremely high speeds.

- PAO oil provides excellent performances at low operating and start-up temperatures
- Low viscosity base oil and additive package offer excellent lubricating ability and EP/AW properties even at very high-speed factor (1.6×10^6 n.dm)
- Low friction when operating, which reduces power loss
- Quiet running during operation makes it suitable for use in small electric motors
- Extremely good protection against corrosion in wet and/or humid environments
- Excellent long grease life
- Compatible with bearing seals and cages made of NBR, FKM, PTFE and PA 6.6

Technical Specifications

Basic characteristics	
DIN 51825 code Description NLGI consistency class Colour Thickener Base oil Operating temperature range Dropping Point, ISO 2176 Density DIN 51757 at 20 °C (68 °F)	KP2G-50 Low temperature, high speed grease 2 Beige Lithium PAO -50 to +110 °C (-58 to 230 °F) >180 °C (446 °F) 0,85-0,95 g/cm³
Base oil viscosity	
40 °C / 104 °F 100 °C / 212 °F	18 mm²/s 4.5 mm²/s
Penetration DIN ISO 2137	
60 strokes 10^{-1} mm 100,000 strokes 10^{-1} mm	265 - 295 +50 max.
Corrosion protection	
SKF Emcor, distilled water, ISO 11007	0 - 1
Copper corrosion	
DIN 51811, at 100 °C (212 °F)	1 max.
Water resistance	
DIN 51807/1, at 90 °C (194 °F)	1 max.
Oil separation	
DIN 51817, 7 days at 40 °C (104 °F)	<4%
Grease life	
SKF R0F, 20000 rpm at 110 °C (230 °F), L50 life	>1000 hrs
EP/AW performance	
DIN 51350/4, Weld load	>2000 N
Mechanical stability	
Roll stability, 50 hours at 80 °C (176 °F), mm-1	380 max
Speed factor	
Maximum n-dm value	1,600,000 for ball bearings

Typical applications where LGLT 2 can provide excellent lubrication include:

- Textile spinning spindles
- Machine tool spindles
- Instruments and control equipment
- Small electric motors used in medical and dental equipment
- In-line skates

Bearing operating conditions

Temperature	Low to medium
Speed	Medium to extremely high
Load	Low to medium
Vertical shaft	O
Outer ring rotation	O
Oscillating movements	–
Low friction	+
Shock load or frequent start up	O
Low noise	+
Severe vibration	O
Rust inhibiting properties	+
Water resistance	+

+ = Recommended O = Suitable – = Not suitable

In line with our policy of continuous development of our products we reserve the right to alter any part of the above specification without prior notice.

SKF Maintenance Products

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