



LGLT 2/1 Low temperature, extremely high speed bearing grease

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A fully synthetic oil based grease using a lithium soap. Its unique thickener technology and low viscosity oil (PAO) provide excellent lubrication performances at very low temperatures and extremely high speeds.

- Low friction torque
- Quiet running
- Extremely good oxidation stability and resistance to water
- ndm values of $1,6 \times 10^6$ can be reached

Overview

Dimensions

Product weight	0.9 kg
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Performance

Suitable for High load applications	--
Suitable for Vertical shaft applications	O
Suitable for applications with Oscilating movements	-
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	O
Speed (max.) n x dm (x 1000)	1600
Operating temperature range	-50 – 110 °C
Dropping point (min) ISO 2176	180 °C

Penetration DIN ISO 2137, Worked, 60 strokes (10 ¹ mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 ¹ mm	+50
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 ¹ mm	-
Mechanical stability, V2F test, 144 hrs	-
Corrosion protection, Emscor, ISO 11007, Distilled water	0-1
Corrosion protection, Emscor, ISO 11007 modified, Water washout	-
Corrosion protection, Emscor, ISO 11007 modified, 0.5% NaCl	-
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
Oil separation DIN 51817, 40°C, %	<4
Lubrication ability, R2F test B at 120°C	-
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	1 max.
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 100°C and 20000 r/min
EP performance - 4 ball - Weld load (min.) DIN 51350/4	2 000 N

Properties

DIN 51825 code	K2G-50
NLGI consistency class	2
Thickener	Lithium
Colour	Beige
Base oil type	PAO
Base oil viscosity DIN 51562 at 40 °C	18 mm ² /s
Base oil viscosity DIN 51562 at 100 °C	4.5 mm ² /s
Shelf life	5 year
Packsize	0.9 kg can
Available for single point lubrication	no

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