Image may differ from product. See technical specification for details.

LGWM 1/0.4

Extreme pressure low temperature bearing grease

A low consistency mineral oil based grease, using a lithium soap and containing extreme pressure additives. It is extremely suitable for the lubrication of bearings operating under both radial and axial loads.

- Good oil film at very low temperatures
- Good pumpability down to low temperatures
- Good corrosion protection
- Good water resistance

Overview

Performance

Base oil viscosity DIN 51562 at 100 °C	16 mm^2/s
Base oil viscosity DIN 51562 at 40 °C	200 mm^2/s
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	2 max. at 90°C
Corrosion protection, Emcor, ISO 11007 modified, 0.5% NaCl	0-0
Corrosion protection, Emcor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emcor, ISO 11007, Distilled water	0-0
Dropping point (min) ISO 2176	338 °F
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	0.0709 in
EP performance - 4 ball - Weld load (min.) DIN 51350/4	629 lbf
Lubrication ability, R2F test B at 120°C	Pass at 100°C
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10^{-1}mm	-
Mechanical stability, V2F test, 144 hrs	-
Oil separation DIN 51817, 40°C, %	8-13
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10^{-1}mm	+50
Penetration DIN ISO 2137, Worked, 60 strokes (10^{-1}mm)	310 - 340
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 100°C
Speed (max.) n x dm (x 1000)	300
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1

Properties

Available for single point lubrication	no
Base oil type	Mineral
Colour	Brown
DIN 51825 code	KP1G-30
NLGI consistency class	1
Operating temperature range	-22 – 230 °F
Packsize	420 ml cartridge
Shelf life	5 year
Suitable for High load applications	■■■■□
Suitable for Vertical shaft applications	■□□□□
Suitable for applications that require Frequent start-up	■■■■■
Suitable for applications that require Rust protection	■■■■□
Suitable for applications that require Water resistance	■■■■□
Suitable for applications with Oscilating movements	■■■■□
Suitable for applications with Severe vibrations	■■□□□
Thickener	Lithium

Logistics

Product net weight	0.8378 lb
UNSPSC code	15121902
eClass code	23-06-01-01

Compatible products

Recommended product

Extreme pressure low temperature bearing grease	LGWM 1/180
Extreme pressure low temperature bearing grease	LGWM 1/5
Extreme pressure low temperature bearing grease	LGWM 1/50

Recommended tool

Battery driven grease gun	TLGB 20
Battery driven grease gun	TLGB 20/110V
Battery driven grease gun	TLGB 1262-E
Battery driven grease gun	TLGB 1886-E
Manual operated grease gun	TLGH 1
Manual operated grease gun	1077600
Manual operated grease gun	1077600 H
Manual operated grease gun set	1077600/SET
Manual operated grease gun, one handed	LAGH 400

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