



LGWM 1/50 Extreme pressure low temperature bearing grease

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

Dimensions

Product weight	50 kg
----------------	-------

Performance

Suitable for High load applications	+
Suitable for Vertical shaft applications	--
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	++
Speed (max.) n x dm (x 1000)	300
Operating temperature range	-30 – 110 °C
Dropping point (min) ISO 2176	170 °C
Penetration DIN ISO 2137, Worked, 60 strokes (10 ¹ mm)	310 - 340
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 ⁴ mm	
Mechanical stability, V2F test, 144 hrs	-
Corrosion protection, Emscor, ISO 11007, Distilled water	0-0
Corrosion protection, Emscor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emscor, ISO 11007 modified, 0.5% NaCl	0-0
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
Oil separation DIN 51817, 40°C, %	8-13
Lubrication ability, R2F test B at 120°C	Pass at 100°C
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	2 max. at 90°C
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 100°C
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	1.8 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	2 800 N

Properties

DIN 51825 code	KP1G-30
NLGI consistency class	1
Thickener	Lithium
Colour	Brown
Base oil type	Mineral
Base oil viscosity DIN 51562 at 40 °C	200 mm ² /s
Base oil viscosity DIN 51562 at 100 °C	16 mm ² /s
Shelf life	5 year
Packsize	50 kg drum
Available for single point lubrication	no

Terms and conditions

By accessing and using this website / app owned and published by AB SKF (publ.) (556007-3495 · Gothenburg) ("SKF"), you agree to the following terms and conditions:

Warranty Disclaimer and Limitation of Liability

Although every care has been taken to assure the accuracy of the information on this website / app, SKF provides this information "AS IS" and DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. You acknowledge that your use of this website / app is at your sole risk, that you assume full responsibility for all costs associated with use of this website / app, and that SKF shall not be liable for any direct, incidental, consequential, or indirect damages of any kind arising out of your access to, or use of the information or software made available on this website / app. Any warranties and representations in this website / app for SKF products or services that you purchase or use will be subject to the agreed upon terms and conditions in the contract for such product or service. Further, for non-SKF websites / apps that are referenced in our website / app or where a hyperlink appears, SKF makes no warranties concerning the accuracy or reliability of the information in these websites / apps and assumes no responsibility for material created or published by third parties contained therein. In addition, SKF does not warrant that this website / app or these other linked websites / apps are free from viruses or other harmful elements.

Third Party Services

When viewing YouTube content via the SKF website(s) (i.e. using YouTube API Services), you agree to be bound by the YouTube Terms of Service.

Copyright

Copyright in this website / app copyright of the information and software made available on this website / app rest with SKF or its licensors. All rights are reserved. All licensed material will reference the licensor that has granted SKF the right to use the material. The information and software made available on this website / app may not be reproduced, duplicated, copied, transferred, distributed, stored, modified, downloaded or otherwise exploited for any commercial use without the prior written approval of SKF. However, it may be reproduced, stored and downloaded for use by individuals without prior written approval of SKF. Under no circumstances may this information or software be supplied to third parties.

This website /app includes certain images used under license from Shutterstock, Inc.

Trademarks and Patents

All trademarks, brand names, and corporate logos displayed on the website / app are the property of SKF or its licensors, and may not be used in any way without prior written approval by SKF. All licensed trademarks published on this website / app reference the licensor that has granted SKF the right to use the trademark. Access to this website / app does not grant to the user any license under any patents owned by or licensed to SKF.

Changes

SKF reserves the right to make changes or additions to this website / app at any time.