Product Information

COFRAGREASE FLM 2

EP multipurpose grease with solid lubricants

Description

COFRAGREASE FLM 2 is an EP multipurpose grease based on a lithium thickener and mineral oil. COFRAGREASE FLM 2 contains additives to improve the corrosion and wear protection as well as the load carrying capacity. To improve the emergency running properties and for the transmission of high loads at low sliding speeds, COFRAGREASE FLM 2 contains a solid lubricant package with MoS_2.

The operating temperature range of COFRAGREASE FLM 2 is -20 to +140 °C.

Application

COFRAGREASE FLM 2 is mainly used for the following application(s) / function(s):

- Agricultural and forestry machinery
- Construction machinery
- Heavy industrial & automotive applications.
- Highly loaded roller and plain bearings
- Pins/bushings

Advantages

- Very good ageing resistance
- Very good emergency running properties
- Very good load-carrying capacity (EP)
- Good water resistance
- Very good mechanical stability

Specifications

- KPF 2 N-20

Notes

The minimum shelf life is 36 months if the product is properly stored between 0 °C and 40 °C in its unopened original container in a dry place. The indication of a minimum shelf life does not include any guarantee of durability.

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Certifications : ISO 9001, IATF 16949, ISO 14001, ISO 45001

TYPICAL CHARACTERISTICS

Thickener type		lithium
Base oil type		mineral oil
Base oil viscosity at 40 °C	ASTM D 445	220 mm/s2
Base oil viscosity at 100 °C	ASTM D 445	17.5 mm/s2
Solid lubricants		MoS_2
Colour		dark grey
Structure		smooth
NLGI grade	DIN 51818	2
Dropping Point	IP 396	≥185 °C
Worked penetration WP60	ASTM D 217	265-295 1/10 mm
Resistance to water, 90 °C: Rating	DIN 51807-1	≤1
Corrosion protection properties SKF-Emcor, dist. water: Degree of corrosion	DIN 51802	0-0
Copper corrosion at 100 °C: Degree of corrosion	ASTM D 4048	1b
Oxidation stability 99 °C, 100 h	ASTM D 942	≤400 hPa
Four ball welding load	IP 239	≥270 kg
Temperature range		-20 / +140 °C

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In all cases, to limit the risk of water contamination (including condensation), store drums and barrels horizontally. Do not expose packaging to strong sunlight or extreme temperatures. The information contained in this data sheet is based on FLF's experience and know-how in the development and manufacture of lubricants and other chemical products to the best of our knowledge. All chemical products must be used in the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). The performance of our products can be influenced by a range of factors, including conditions of use, application methods, operating environment, pre-treatment of components, possible external contamination, etc. For these reasons, a universal recommendation of our products is impossible. The information given in the data sheet represents general, non-binding guidelines and is provided for guidance only. No warranty, express or implied, is given concerning the properties of the product or its suitability for a given application. We therefore recommend consulting an application engineer to discuss application conditions and product performance criteria prior to use. It is the user's responsibility to test the functional suitability of the product and to use it under the appropriate safety conditions. Our products are subject to continuous improvement, with the aim of enhancing performance or bringing them into line with any new regulations. We reserve the right to modify our product ranges, our products and their manufacturing processes, as well as all the provisions of our publications, at any time and without prior notice. This data sheet cancels and replaces all previous editions. We expressly draw the attention of all users to the fact that our product has not been designed and tested for use in the nuclear and aeronautical fields ("embedded" product). Any use of our product in the aforementioned sectors is the sole responsibility of the user. Reproduction in any form requires the prior written consent of FLF, all rights reserved.

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