

LGFG 2/1 General purpose food grade grease



General purpose food grade grease

A high performance food grade grease using complex calcium sulphonate thickener technology and a white mineral oil. It is suitable for applications subjected to high loads, wet environment and fluctuating temperatures encountered in the among others food and beverage industry.

- Wide temperature range
- Outstanding water resistance and corrosion protection
- Excellent mechanical stability
- Great dispensability in single point automatic lubricators
- Excellent protection against high loads and wear
- NSF ISO 21469 registered as well as Halal and Kosher certified

Overview

Dimensions

Product weight

1 kg

Performance

Recommended applications	Conveyor bearings Wrapping machines Bottling machines
Suitable for High load applications	+
Suitable for Vertical shaft applications	0
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)	500

Operating temperature range	-30 – 140 °C
Dropping point (min) ISO 2176	280 °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	+50
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, %	1-5
Lubrication ability, R2F test B at 120°C	Pass
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 120°C
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	1 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	400 N

Properties

DIN 51825 code	KP2N-30
NLGI consistency class	2
Thickener	Calcium sulphonate complex
Colour	Brown
Base oil type	White mineral
Base oil viscosity DIN 51562 at 40 °C	150 mm ² /s
Base oil viscosity DIN 51562 at 100 °C	16 mm ² /s
Shelf life	2 year
Certifications	NSF H1 Food
NSF Registration no.	164513
Packsize	1 kg can
Available for single point lubrication	yes

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