

LGFQ 2/18



High load, water resistant and wide temperature food grade grease

A synthetic oil based grease using the latest complex calcium sulphonate thickener technology. It is suitable for applications subjected to high loads, wet environment and fluctuating temperatures encountered in the food and beverage industry.

- Excellent corrosion protection
- Excellent mechanical stability
- Excellent high load lubricating capacity
- Good false brinelling protection
- Good pumpability down to low temperatures
- NSF H1 registered and Halal and Kosher certified

Overview

Dimensions

Product weight

18 kg

Performance

Recommended applications	presses Mills M:	Pellet xers
Suitable for High load applications		++
Suitable for Vertical shaft applications		O
Suitable for applications with Oscilating movements		++
Suitable for applications with Severe vibrations		O
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	-40 – 140 °C	
Dropping point (min) ISO 2176		300 °C

Penetration DIN ISO 2137, Worked, 60 strokes (10 ¹ mm)	280-310
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10 ¹ mm	+30
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10 ¹ mm	+30
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	1-1
Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
Oil separation DIN 51817, 40°C, %	1-3
Lubrication ability, R2F test B at 120°C	Pass
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	1b
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 130°C
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	1 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	4 000 N
Low temperature torque, Start/Running, mNm	369/223 at -40°C

Properties

DIN 51825 code	KP1/2N-40
NLGI consistency class	1-2
Thickener	Calcium sulphonate complex
Colour	Brown
Base oil type	Synthetic (PAO)
Base oil viscosity DIN 51562 at 40 °C	320 mm ² /s
Base oil viscosity DIN 51562 at 100 °C	30 mm ² /s
Shelf life	2 year
Certifications	NSF H1 Food
NSF Registration no.	153759
Packsize	18 kg pail
Available for single point lubrication	yes

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