

LGED 2/1



High temperature and harsh environment food grade grease

A food grade NSF H1 certified grease based on a synthetic fluorinated oil using a PTFE thickener. It is suitable for extremely high temperatures and/or aggressive environments such as acids/alkalis, vacuum, oxygen etc.

- Excellent oxidation resistance
- Very low evaporation losses at high temperature
- Good corrosion resistance
- Long life in aggressive environments such as very reactive areas with a presence of high purity gaseous oxygen and hexane
- NSF H1 registered

Overview

Performance

Speed (max.) n x dm (x 1000)	300
Dropping point (min) ISO 2176	300 °C
Base oil viscosity DIN 51562 at 40 °C	460 mm
Base oil viscosity DIN 51562 at 100 °C	42 mm
Penetration DIN ISO 2137, Worked, 60 strokes (10-1mm)	265-295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10-1mm	+30
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10-1mm	+30
Mechanical stability, V2F test, 144 hrs	-
Corrosion protection, Emscor, ISO 11007, Distilled water	0-0
Corrosion protection, Emscor, ISO 11007 modified, Water washout	-
Corrosion protection, Emscor, ISO 11007 modified, 0.5% NaCl	-
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	1

Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C 700 at 220°C

EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N 1 mm

EP performance - 4 ball - Weld load (min.) DIN 51350/4 8 000 N

Low temperature torque, Start/Running, mNm 369/223 at -40°C

Maximum pressure 70 bar

Evaporation losses, 6 weeks at 200 °C, % weight losses <3.5%

Product weight 1 kg

Properties

DIN 51825 code	KFK2U-30
NLGI consistency class	2
Thickener	PTFE
Colour	White
Base oil type	PFPE
Operating temperature range	-30 to +240 °C
Shelf life	2 year
Certifications	NSF H1;Halal;Kosher
NSF Registration no.	156010
Density, DIN 51757 at 20 °C (68 °F)	1.96 g/cm

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