

LGWM 2/50



High loads, wide temperature bearing grease

A synthetic-mineral oil based grease using the latest complex calcium sulphonate thickener technology. It is suitable for applications subjected to high loads, wet environments and fluctuating temperatures.

- Excellent corrosion protection
- Excellent mechanical stability
- Excellent high load lubricating capabilities
- Good flake brinelling protection
- Good pumpability down to low temperatures

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	80 mm
Base oil viscosity DIN 51562 at 100 °C	10 mm
Penetration DIN ISO 2137, Worked, 60 strokes (10-1mm)	280-310
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, Emcor, ISO 11007, Distilled water	0-0
Corrosion protection, Emcor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emcor, 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, %	3 max.
Lubrication ability, R2F test B at 120°C	Pass
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	2 max.
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 110°C

EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	2 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	4 000 N
Low temperature torque, Start/Running, mNm	900/200 at -40°C
Product weight	50 kg

Properties

DIN 51825 code	KP2G-40
NLGI consistency class	1-2
Thickener	Calcium sulphonate complex
Colour	Ligth brown
Base oil type	Mineral/PAO
Operating temperature range	-40 to +110 °C
Shelf life	5 year

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