

# LGHQ 2/5

## Electric motor bearing grease

A mineral oil based grease using a di-urea thickener. It is suitable for electric motors and similar applications. It is specifically designed for usage with single point lubricators.

- Excellent dispensability in lubricators
- Extremely long grease life
- Wide temperature range
- High thermal and mechanical stability
- Excellent corrosion protection



### Overview

### Performance

Speed (max.) n x dm (x 1000)	500
Dropping point (min) ISO 2176	260 °C
Base oil viscosity DIN 51562 at 40 °C	110 mm
Base oil viscosity DIN 51562 at 100 °C	12 mm
Penetration DIN ISO 2137, Worked, 60 strokes (10-1mm)	265 - 295
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10-1mm	385 max.
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10-1mm	385 max.
Mechanical stability, V2F test, 144 hrs	-
Corrosion protection, Emcor, ISO 11007, Distilled water	0-0
Corrosion protection, Emcor, ISO 11007 modified, Water washout	0-1
Corrosion protection, Emcor, 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 at 100°C
Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	1b max. at 100°C
Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 160°C

EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	1 mm
EP performance - 4 ball - Weld load (min.) DIN 51350/4	2 600 N
Low temperature torque, Start/Running, mNm	550/100 at -30°C
Product weight	5 kg

## Properties

Recommended applications	Electric motors;Industrial fans;Water pumps;Vertical shaft applications
DIN 51825 code	K2P-30
NLGI consistency class	2
Thickener	Polyurea
Colour	Blue
Base oil type	Mineral
Operating temperature range	-30 to +160 °C
Shelf life	5 year

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