

LGHP 2

High Performance, High Temperature Bearing Grease



BW bearings LGHP 2 is a premium grease suitable for the long term lubrication of bearings operating under extreme pressure load at high temperatures. LGHP 2 is a mineral oil based grease, using a modern poly urea (di-urea) thickener and is highly recommended for the lubrication of antifriction bearings.

ADVANTAGES

- Excellent performance in a wide temperature range
- Excellent water resistance and corrosion resistance
- Excellent mechanical stability
- High speed grease
- Outstanding long life
- No harmful substances



TYPICAL APPLICATIONS

- Industrial and Mining Machinery
- Pumps and Marine applications
- Electric motors
- Agricultural Machinery



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| Designation | LGHP 2 | Test Method | Ratings |
|---|--------------------------|----------------|-------------------|
| NLGI Grade | | ASTM D 217 | 2 |
| Colour | Smooth, Homogeneous | | Blue |
| Base oil type | | API Group II | Mineral |
| Thickener / Soap type | | | Di-urea |
| Operating temperature range | | | -40°C to 150°C |
| Dropping point | °C | ASTM D 2265 | 240°C min |
| Base oil viscosity | | | |
| at 40°C | cSt | ASTM D 445 | 100 |
| at 100°C | | | 10.5 |
| Penetration | | | |
| at 25°C (w/60) | 10 ⁻¹ mm | ASTM D 217 | 265-295 |
| at 25°C (w/100,000) | | | 365 max |
| Corrosion protection (prevention) | Standard Salt water | EMCOR EMCOR | 0-0 0-0 |
| Water washout (resistance) | | | |
| at 78°C | 3 hrs % wt loss | ASTM D 1264 | 10 max |
| at 90°C | | | 1 max |
| Oil separation | 7 days at 40°C, static % | DIN 51 817 | 1-5 |
| Lubrication ability | Running test B at 120°C | R2F | Pass |
| Copper corrosion at 110°C | | ASTM D 4808 | 1a max |
| Rolling bearing grease life | | | |
| ROF test | | ASTM D 3336 | 1000 min at 150°C |
| L ₅₀ life at 10 000 r/min, hrs | | | |
| Fretting corrosion | Mg | ASTM D 4170 | 7 avg |
| Mechanical Stability | | | |
| Roll stability, 50hrs @80°C | 10 ⁻¹ mm | | 365 max |

Available sizes

| | | 200 g Pouch | 400 g Cartridge | 500 g tin | 1 kg tin | 5 kg tin | 18 kg tin |
|---------------|------------------------------------|----------------|--------------------|--------------|-------------|-------------|--------------|
| LGMT 3 | General Purpose | • | • | • | • | • | • |
| LGEP 2 | High Load, Extreme Pressure | - | • | - | • | • | • |
| LCAG 3 | Special High & Low Temperature | - | • | • | • | • | • |
| LGHP 2 | High Performance, High Temperature | - | - | - | • | • | • |
| LGFP 2 | Food Compatible Bearing Grease | - | - | - | • | - | - |
| LGFR 2 | Fire Resistant Bearing Grease | - | - | - | • | - | • |
| LGHB 2 | High Load, High Viscosity | - | - | - | - | - | • |



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