

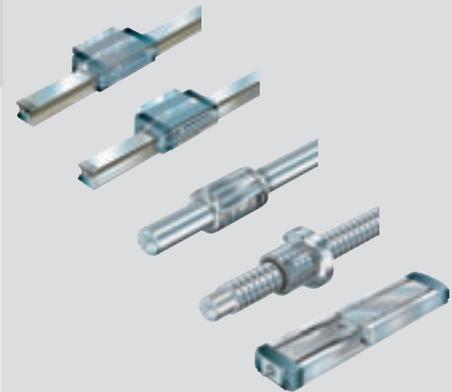
Product Data Sheet

Safety Data Sheet

Dynalub 510

RE 82 052/2003-06 1/4

High-performance Lubricant for Linear Motion Systems



● Product Description

Dynalub 510 is a NLGI Category 2 lithium-based high-performance grease specially developed for linear motion systems. It is notable for offering excellent water resistance and protection against corrosion, and is suitable for use at temperatures of between -20°C and 80°C .

● Applications

Under conventional environmental conditions this ground-fiber, homogeneous grease is ideally suitable for the lubrication of linear elements:

- for loads of up to $0.5 C_{\text{dyn}}$
- also for short-stroke applications ≥ 1 [mm]

● Technical Data

| | | |
|--|--|-------------------|
| Chemical composition | Mineral oil, special lithium soap, agents | |
| Designation | KP2K-20 | DIN 51 825 |
| Appearance | Light-brown/beige, ground-fiber | |
| Service temperature range | -20°C to $+80^{\circ}\text{C}$ | |
| NLGI Category | 2 | |
| Worked penetration | 265-295 1/10 mm | DIN ISO 2137 |
| Water resistance | 0-60, 1 -90 | DIN 51 807 Part 1 |
| Melting point in $^{\circ}\text{C}$ | > 165 | DIN ISO 2176 |
| Basic oil viscosity | 100 mm^2/s 40°C 10 mm^2/s 100°C | DIN 51 562 |
| Flow pressure at -20°C | < 1400 hPa | DIN 51 805 |
| EMCOR test | 0/0 | DIN 51 802 |
| Copper corrosion | 2 (24 h/ 120°C) | DIN 51 811 |
| Four ball tester welding load | > 2000 N | DIN 51 350 Part 4 |
| Four ball tester impression diameter | 0.93 (400 N, 1 h) | DIN 51 350 Part 5 |