

r.tecc Norplex LKP 15

Lithium Complex EP Grease – NLGI-Grade 1-2

Description

r.tecc Norplex LKP 15 is a high temperature EP-grease based on high viscosity, non ageing mineral oil.

Application and Properties

r.tecc Norplex LKP 15 suits for lubrication of roller and friction bearings with low relative speeds under extreme pressure load and high temperatures due to its high base oil viscosity.

r.tecc Norplex LKP 15 forms a stable wear protecting lubricating film at low speeds and high load pressure.

Application examples:

Lubrication of bearings of forging presses, hot calender, paper machines, warm forming machines. Basically used for slowly rotating bearings at normal and high temperatures under high load pressure.

Advantages:

- high thermal load non ageing
- water resistant
- high stability
- corrosion resistant
- high pressure load capacity
- good adhesiveness

Technical Data

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| Thickener | | Lithium-Complex-Soap |
| Operating temperature for long-term lubrication | | -15 to +150°C |
| Short time admissible temperature peak value | | +200°C |
| Permanent temperatures above 150°C require regreasing at shorter intervals subject to thermal load | | |
| Drop point | ASTM D 2265 | > 260°C |
| Worked penetration after 60 strokes | ASTM D 217 | 280 to 310 1/10 mm |
| Penetration loss after 100 000 strokes | ASTM D 217 | < 30 1/10 mm |
| Type of base oil | | Mineral oil |
| Base oil viscosity at 40° C | ASTM D 445 | 500 mm²/s |
| Water resistance | DIN 51 807-01 | 1 – 90 |
| SKF Emdor Test | IP 220/85 | Corrosion degree 0/0 |
| Copper Strip Test | ASTM D 4048 | Corrosion degree 1 - 150 |
| FAG-FE9 - Test | DIN 51821-02-A/ 1500/6000-150 | F ₅₀ > 150 h |
| Timken Test, well load | ASTM D 2509 | 45 lbs (200 N) |
| Designation | DIN 51 502 | KP 1-2 P-10 |

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

Edition

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Shanghai Ping Yiao Trading Co., Ltd.

TEL: 86 21 6470 5533 24H:15900706965

FAX: 86 21 6482 0538 <http://www.pingyiao.com> Email: info@pingyiao.com