

Schaeffler Rolling Bearing Grease

Arcanol LOAD1000

Properties, applications: Bearing grease for very high loads, shock loads, wide temperature range, good water and corrosion resistance, low to moderate speeds

| Characteristics | Value | Unit | Test method |
|--|------------------|---|------------------------------|
| Temperature range: | -20 to 130 | °C | DIN 51825 / Schaeffler Spec. |
| Longtime limit temperature: | 80 | °C | |
| Density: | 0.93 | kg/dm ³ | |
| Specifications: | | | |
| Thickener: | lithium/calcium | | |
| Type of base oil: | mineral oil | | |
| Base oil viscosity | at 40 °C: | 1000 | mm ² /s |
| | at 100 °C: | 38 | mm ² /s |
| Worked penetration: | 265-295 | 0.1 mm | DIN ISO 2137 |
| NLGI grade: | 2 | | DIN 51518 |
| Drop point: | ≥ 180 | °C | DIN ISO 2176 |
| Water resistance: | 1-90 | Range | DIN 51807 - 1 |
| Corrosion Emcor Test: | ≤ 0/0 | Corr. Grade | DIN 51802 |
| | with 0.5 % NaCl: | Corr. Grade | |
| Copper corrosion after 24 h/100 °C: | ≤ 2 | Corr. Grade | DIN 51811 |
| FE8 tests run wear behaviour, Running time 500 hours without failure | | | |
| 536048 - 75/80-120 | vWk50 ≤ 35 | mg | DIN 51819 |
| 536048 - 75/80-RT | vWk50 ≤ 35 | mg | DIN 51819 |
| 536048 - 750/30-RT | vWk50 ≤ 35 | mg | DIN 51819 |
| 536050MP - 7.5/80-80 | vWk50 ≤ 35 | mg | DIN 51819 |
| 536050MP - 75/80-RT | vWk50 ≤ 35 | mg | DIN 51819 |
| FE9 tests run (grease service lifetime) | | | |
| A/1500/6000-140 | F50 ≥ 150 | h | DIN 51821-02 |
| | no failure < 50 | h | |
| Speed range: | Unit | Ball bearings and cylindrical roller bearings | Other roller bearings*) |
| Speed limit n*dm | mm/min | 300,000 | 200,000 |

*) not cylindrical roller thrust bearings and spherical roller thrust bearings

This copy is not taken into account by the updating service.

The data are based on actual knowledge at the time of print and refer to the respective test method. Guaranteed properties or warranties cannot be taken over.

Edition: 26.09.2019