

Schaeffler Rolling Bearing Greas

Arcanol TEMP200

Properties, applications: Bearing grease for very high temperatures, chemically aggressive environment

| Characteristics | Value | Unit | Test method |
|--|-----------------------|---|------------------------------|
| Temperature range: | -30 to 260 | °C | DIN 51825 / Schaeffler Spec. |
| Longtime limit temperature: | 200 | °C | |
| Density: | 1.9 | kg/dm ³ | |
| Specifications: | | | |
| Thickener: | PTFE | | |
| Type of base oil: | Alkoxyfluorinated oil | | |
| Base oil viscosity at 40 °C: | 550 | mm ² /s | DIN 51562 - 1 |
| Base oil viscosity at 100 °C: | 49 | mm ² /s | DIN 51562 - 1 |
| Worked penetration: | 265-295 | 0.1 mm | DIN ISO 2137 |
| NLGI grade: | 2 | | DIN 51518 |
| Drop point: | not measurable | °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/200 °C: | ≤ 2 | Corr. Grade | DIN 51811 |
| FE8 tests run wear behaviour, Running time 500 hours without failure | | | |
| 536048 - 75/80-RT | vWk50 ≤ 35 | mg | DIN 51819 |
| 536050MP - 7.5/80-160 | vWk50 ≤ 35 | mg | DIN 51819 |
| 536050MP - 7.5/80-80 | vWk50 ≤ 35 | mg | DIN 51819 |
| FE9 tests run (grease service lifetime) | | | |
| B/1500/6000-220 | F50 ≥ 100 | h | DIN 51821-02 |
| | no failure < 50 | h | |
| Low temperature torque | | | |
| -20 °C Start / Steady State | 184 / 124 | Nmm | ASTM D1478 |
| 40 °C Start / Steady State | 31 / 16 | Nmm | ASTM D1478 |
| 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

Metallic surfaces shall be free of mineral oil based products before grease application!

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.

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