

URETHYN E/M 2

Semi-synthetic, high-temperature grease containing an organic thickener

Performance Features

- temperature range: -20 / +180°C, short-term up to +210 °C
- extraordinary thermal stability
- excellent lubricity in a wide temperature range
- low evaporation tendency
- good resistance to ageing, even in stop-and-go operations
- corrosion protection, even in aggressive atmospheres
- compatible with plastics
- good pumpability in centralized lubrication systems



roller bearings



plain bearings



assembly
paste for
sealings



plastic-
compatible



high
temperatures

Description

URETHYN E/M 2 is a homogeneous, soft, chlorine-free and unleaded high-temperature grease. It contains a special formula of mineral and ester oils as base oil.

Field of application

URETHYN E/M 2 is the ideal long-term grease for plain and roller bearings. Start-up friction is very low and friction coefficients throughout the life of the grease are kept at an extremely low level. Its compatibility with elastomers, amorphous and crystalline plastics is excellent. URETHYN E/M 2 is recommended for the lubrication of e.g. electric motor bearings, plain and roller bearings of textile machines, ventilator bearings in dryers and kilns, spindle bearings, roller bearings of chain conveyors, vibrating sieves, electric household goods, plastics and elastomers, or as assembly paste for gaskets and seals.

Product Information



LUBRITECH
Special Application Lubricants

Method of application

URETHYN E/M 2 is applied manually or via centralized lubrication systems. Mixing with other lubricants should be avoided. Observe bearing and machine manufacturers' recommendations.

Technical Data: URETHYN E/M 2

| Characteristics | Value | Unit | Test Method |
|-------------------------------|-----------------|--------|--------------|
| Reference | KPE2R-20 | | DIN 51502 |
| Colour | yellow | | |
| Temperature range | -20 / +180 | ° C | DIN 51825 |
| short term up to | +210 | ° C | |
| Base oil | semisyn | | |
| Thickener | organic | | |
| Base oil viscosity [40°C] | 150 | mm²/s | DIN 51562-1 |
| Base oil viscosity [100 °C] | 17 | mm²/s | DIN 51562-1 |
| NLGI grade | 2 | | DIN 51818 |
| Dropping point | 260 | ° C | DIN ISO 2176 |
| Water resistance | 1-90 | rating | DIN 51807-1 |
| Oil separation [40 °C, 7 d] | 1,5 | % | DIN 51817 |
| Copper strip test | 1-100 | rating | DIN 51811 |
| EMCOR [dist. Water] | 0/0 | rating | DIN 51802 |
| Four Ball Test welding load | 2400/2600 | N | DIN 51350-4 |
| FAG-FE 9 test A/1500/6000-180 | F10=98, F50=143 | h | DIN 51821 |

LLS = LUBRITECH Laboratory Specification

Typical for current production. Variations in these characteristics may occur.

As far as we know this information reflects the current state of knowledge and our research. It cannot, however, be taken as an assurance about the properties nor as a guarantee of the suitability of the product for the individual case in point. Before using our products the purchaser must, therefore, check their suitability and be satisfied that the output will be satisfactory. Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without prior announcement, unless otherwise provided in customer-specific agreements. With the publication of this product information sheet, all previous editions cease to be valid.

We are specialized in developing products for extreme tribological problems in cooperation with end users.

FUCHS LUBRITECH provides service and individual advice. Please contact us!

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