

## 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

MOVING YOUR WORLD



## 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
Color	yellow		
Temperature range	-20 / +180	° C	DIN 51825
short term up to	+210	° C	
Base oil	semisyn		
Thickener	PU		
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	IP 396
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

LV = 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. Please be aware that our products must not be used for applications in nuclear primary circuits or on-board aerospace systems. 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 LUBRICANTS GERMANY provides service and individual advice. Please contact us!

E-Mail: [zentrale-flg@fuchs.com](mailto:zentrale-flg@fuchs.com)