GLEITMO 591

High-temperature paste, resistant to chemicals, for high-speed bearings

Performance Features

- **temperature range:-25 / +260 °C,short-term up to +280 °C**
- **resistant to many chemicals and solvents**
- **allows long lubrication intervals due to low evaporation losses**
- **protects against corrosion**
- **extremely pressure-resistant**
- **resistant to oxidation**

media-resistant | EP properties | roller bearings | plain bearings | plastic-compatible

Description

GLEITMO 591 is an extraordinary special paste based on a synthetic oil of high stability and white solid lubricants. It is resistant to many aggressive chemicals and offers an excellent compatibility with a lot of elastomer and plastic materials.

Field of application

Due to its high thermal stability GLEITMO 591 is particularly well-suited for the lubrication of high-speed, high-temperature plain and roller bearings, for permanent lubrication of areas subjected to high temperatures and aggressive media, such as high-speed bearings at high temperatures, fans, electric motors, conveyor chains, centrifuge bearings, and stenter frame bearings in the textile industry.

Method of application

Bearings and sliding surfaces should be carefully cleaned with METABLANC PFPE. Please consider our Technical

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Information sheet concerning the lubrication with PFPE pastes.

Note

For use in oxygen applications, this lubricant is available with the name GLEITMO 591 (OX). Test report on request.

Technical Data: GLEITMO 591

Characteristics	Value	Unit	Test Method
Colour	white		
Temperature range	-25 / +260	° C	LLS 134
short term up to	+280	° C	
Base oil	syn		
Solid lubricants	white		
Base oil viscosity [40°C]	510	mm²/s	DIN 51562-1
Base oil viscosity [100°C]	50	mm²/s	DIN 51562-1
NLGI grade	2		DIN 51818
Dropping point	without		DIN ISO 2176
Water resistance	0-20	rating	DIN 51807-1
Trichloroethylene resistance [5d]	0-20	rating	DIN 51807
Oil separation [40 °C, 7 d]	3	%	DIN 51817
Copper strip test	1 at 200°C	rating	DIN 51811
EMCOR [dist. Water]	0/0	rating	DIN 51802
Four Ball Test welding load	7000/7500	N	DIN 51350-4
FAG-FE9 test A/1500/3000-200	F10=800, F50=1400	h	DIN 51821
FAG-FE9 test A/1500/3000-220	F10=295, F50=385	h	DIN 51821
FAG-FE9 test A/3000/3000-240	F10=290, F50=300	h	DIN 51821

LLS = LUBRITECH Laboratory Specification
Typical for current production. Variations in these characteristics may occur.

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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 LUBRITECH provides service and individual advice. Please contact us!
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