GLEITMO 599

Special lubricant for oxygen fittings with the highest pressure resistance

Performance Features

temperature range for use: -40 / +250 °C
maximum resistance to liquid and gaseous oxygen
excellent lubricating performance
exceptional thermal resistance
non-flammable
very good compatibility with plastics, elastomers and rubber
largely resistant to aggressive gases and chemicals
evaluation about physiological harmlessness in respiratory equipment available
batch-related test report as per the applicable standard for oxygen applications on request

Description

GLEITMO 599 is an innovative special lubricant based on a special perfluoropolyether base oil which is thickened with a special combination of white solid lubricants. The special feature of GLEITMO 599 is a previously not known resistance to gaseous and liquid oxygen.

Field of application

GLEITMO 599 has been developed for the first lubrication and maintenance of valves for oxygen pressure bottles as well as for the fittings and equipment of the oxygen-generating and oxygen-processing industries. The tested oxygen pressures reach 400 bar min. (at an oxygen temperature of 60°C). Thus this lubricant can even be used to safely and reliably lubricate for example modern valves in the high pressure range. The exactly allowed oxygen pressure is specified for each batch in the respective test report according to the applicable standard.

Application

Prior to the application of GLEITMO 599, the parts to be lubricated must be cleaned extremely thoroughly using METABLANC PFPE. It is essential to only use oil and grease-free lubricating equipment made of metal (spatula)! Please also observe our Technical Information on the use of PFPE pastes.

Note

Do not mix GLEITMO 599 with other lubricants!

Industries

Other industries
Automotive
Machinery, equipment
Consumer, aftermarket
Power generation

Note

The information shown on this side is based on the experience and expertise of the FUCHS Group in the development and manufacture of lubricants and represents the current state of the art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pretreatment, possible external contamination, etc. For this reason, universally valid statements about the function of our products are not possible. Our products must not be used in aircraft/spacecraft or parts thereof. This does not apply if the products can be removed again before the components are fitted in an aircraft/spacecraft. The information given here represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application. We therefore recommend that you consult a FUCHS Group application engineer to discuss application conditions and the performance criteria of the products before the products are used. It is the responsibility of the user to test the functional suitability of the products and to use them with the corresponding care. Our products are subject to continuous further development. We therefore retain the right to change our product range, the products, and their manufacturing processes as well as all details on this side at any time and without warning, provided that no customer-specific agreements exist that require otherwise.

Questions?

Datasheets (Login necessary)

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Product Assistant

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Product group: Pastes (Brochure)

Brochures; 2.5 MB; PDF