

GLEITMO 603

Dry solid film lubricant

Performance Features

- temperature range of the dry film: **-40 / +80 °C**
- meets the requirements of the automotive industry with a specific friction coefficient of $\mu=0.10-0.18$ for screw lubricants
- provides a transparent, touch-proof and abrasion-resistant lubricating film
- suitable for mass parts
- saves assembly time and is especially suited for automatic bolting systems
- clean and non-greasing
- has a very good surface adhesion on a lot of materials
- environmentally and user friendly
- contains a UV additive for a UV coating inspection (340 – 380 nm)



screws and nuts

Description

GLEITMO 603 is a suspension of high-molecular polymers in water. GLEITMO 603 is used as a coating agent and develops a well adhering, touch-proof lubricating film after drying. GLEITMO 603 has been developed to achieve defined friction properties with a minimum variation range.

Field of application

GLEITMO 603 is used for mass-part coating. A typical application example is the coating of screws/bolts and nuts where a higher friction coefficient range of $\mu = 0.10 - 0.18$ is required.

Method of application

Product Information



LUBRITECH
Special Application Lubricants

Subject to the requirements, GLEITMO 603 can be diluted in water (at least drinking water quality). As a rule, GLEITMO 603 is used in coating baths at dilution ratios of 1 : 3 (for centrifuges) up to app. 1 : 7 (for dipping). The parts to be coated must be free of grease. Drums and centrifuges commonly used in the galvanising industry have proved to be very convenient in case of large coating quantities. After the coating process it is recommended to dry the parts by hot air (up to a part temperature of approximately 70 °C). Additional information regarding coating and bath maintenance is included in our Technical Information for GLEITMO 603.

Note

Protect against freezing! In closed containers at ambient temperature storable up to 24 months.

Technical Data: GLEITMO 603

<u>Characteristics</u>	<u>Value</u>	<u>Unit</u>	<u>Test Method</u>
Colour of the dry film	colourless		
Temperature range (dry film)	-40 / +80	° C	LLS 134
pH-value	8.5 - 9.5		
Thinner	tap water		
Screw test [M12, 20°C], friction coefficient			DIN EN ISO 16047
Pairing ZnNi/steel against steel plate	appr. 0.13-0.15		
Pairing Zn flake/steel against steel plate	appr. 0.13		

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. 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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