GLEITMO 627

Dry solid film lubricant

Performance Features

- **temperature range of the dry lubricating film: -40 / +110 °C**
- **to achieve low friction coefficients/grooving torques for bolted connections, with a low variation**
- **to avoid seizures of stainless-steel connections**
- **provides a transparent, touch-proof and abrasion-resistant lubricating film**
- **is suitable for mass parts**
- **saves assembly time and is particularly suited for automatic systems**
- **is clean and non-greasing**
- **sticks well on a lot of material surfaces**
- **contains a UV additive for a UV coating inspection (340 – 380 nm)**

screws and nuts

Description

GLEITMO 627 is a suspension of High Molecular Polymers in water. To optimize the lubrication properties GLEITMO 627 contains a specially selected PTFE. GLEITMO 627 is used as a coating agent and develops a well adhering, touch-proof lubricating film after drying. GLEITMO 627 has been developed to achieve defined low friction coefficients with a minimum variation range.

Field of application

GLEITMO 627 is used for mass part lubrication.A typical application example is the coating of stain-less-steel screws/bolts and nuts, self-tapping or self-forming screws, rivets, sheet-metal screws, and chip-board screws.

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Method of application

Depending on the requirements, GLEITMO 627 can be diluted in water (at least drinking water quality). As a rule, GLEITMO 627 is used at dilution ratios of 1 : 3 (for centrifuge coating processes; stringent requirements) up to app. 1 : 7 (for dipping). In individual cases dilution ratios of 1 : 1 to 1 : 2 are used to achieve minimum grooving torques. The parts to be coated must be free of grease. Drums and centrifuges commonly used in the galvanising industry have proved to be 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 approxi-mately 80 °C).

Note

Protect against freezing! In closed original containers, at room temperature, storable up to 24 months.

Technical Data: GLEITMO 627

Characteristics	Value	Unit	Test Method
Colour of the dry film	silk dull		
Temperature range (dry film)	-40 / +110	° C	LLS 134
Viscosity [20°C]	appr. 3,500	mPas	
Yield	appr. 0.2-0.4 kg/100 kg		
pH-value	appr. 5.0-6.0		
Thinner	water		
Screw test [M12, 20°C], friction coefficient			DIN EN ISO 16047
Pairing ZnNi/steel against steel plate	appr. 0.08		
Pairing A2-70/A2-70 against stainless steel plate	appr. 0.11		

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

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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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