

Solid Film Lubricants for Elastomer Products



LUBRICANTS.
TECHNOLOGY.
PEOPLE.



Solid film lubricants – the clean solution for your elastomer product



Solid film lubricant coatings for elastomers

FUCHS GLEITMO coatings for elastomers are coatings specifically developed for the substrate material and its application. Our coatings are applied to sealing materials in layers just a few micrometers thick, resulting in a surface finish that provides optimized release and sliding properties for both assembly and dynamic applications.

Our Solid Film Lubricants are highly compatible with common elastomer materials and therefore do not affect the properties of the base material. The applied coatings are highly elastic, ensuring they remain functional even when the sealing material stretches. Special coatings can also be colored using various shades from the GLEITMO COLOUR product range, ensuring easy identification and differentiation of different seal types.

Our contract coating service

From selecting the appropriate lubricating coating to applying it to your component, through quality control and delivery: Upon request, we can provide everything from a single source.

We are pleased to offer the coating of your components as a contract service in our own Coating Center. We work according to state-of-the-art production methods and maintain consistently high-quality standards, which are regularly verified in independent audits.

→ GLEITMO coatings – your benefits:

- Suitable for all common elastomer materials
- Dry, clean lubrication
- Cost-effective pre-coating –
No lubrication required on the assembly line
- Easy separation in feeding units due to high release properties
- Reduction of assembly forces and prevention of stick-slip effects
- Reliable assembly – Prevention of damage
- Color-coded identification of components

Selection guide for your election

	GLEITMO 2345V	GLEITMO SFL 9085	GLEITMO SFL 9090	GLEITMO SFL 9680/ SFL 9680 TF	GLEITMO RLC 3000	GLEITMO RLC 3100	GLEITMO RLC 5100	GLEITMO RLC 4000	GLEITMO RLC 4300
Lubricant									
Polymer	■	–	■	–	–	–	■	–	–
Polysiloxane	–	–	–	■	–	–	–	■	■
PTFE	–	■	–	–	■	■	–	–	■
Binder									
Organic	–	■	■	–	■	■	■	–	■
Inorganic - organic	–	–	–	■	–	–	–	■	–
Solvent-based	–	–	–	■	–	–	–	–	–
Water-based	■	■	■	–	■	■	■	■	■
Hardening temperature [°C]	RT	RT	RT	100	125	100	100	100	RT
Specialities									
Can be coloured	–	–	–	–	–	■	■	–	–
Media-resistant	–	•	•	••	•	••	••	••	•
PFAS-free	■	–	■	■	–	–	■	■	–
Suitable for									
EPDM	■	■	■	■	■	■	■	■	■
NBR	■	■	■	■	■	■	■	■	■
MVQ	–	–	–	■	–	–	–	■	–
AEM/ACM	■	■	■	■	–	■	■	■	■
FKM	–	■	■	■	–	■	■	■	–
Functionality									
Facilitation of assembly	••	••	••	•••	••	••	••	•••	•••
Dynamic application	–	•	•	•	••	••	••	•	•

RT = room temperature

• = good •• = very good ••• = excellent



Your coating team
will be pleased to advise
you on the selection of
the ideal lubricant.

Innovative lubricants need experienced application engineers

Every lubricant change should be preceded by expert consultation on the application in question. Only then can the best lubricant system be selected. Experienced FUCHS engineers will be happy to advise on products for the application in question and also on our full range of lubricants.

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Note

The information contained in this brochure is based on the experience and know-how of FUCHS LUBRICANTS GERMANY GmbH 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 pre-treatment, 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 or spacecraft. Our products may be used in the manufacture of components for aircraft or spacecraft if they are removed without residue from the components prior to assembly into the aircraft or spacecraft.

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