ModyGlide™ for Elastomers

Reduce friction, improve performance

ModyGlide™ is a permanent modification to the surfaces of elastomeric components, leading to a significant decrease in the coefficient of friction. Elastomers such as NBR, HNBR, EPDM and silicones are key materials for numerous industries and applications. However, elastomeric parts have an inclination to stick, due to inherent properties which cause increased friction coefficients, the tendency to accumulate dirt and make parts difficult to clean.

How does it work?

Our surface technology modifies the surface of the article, leading to a significant reduction in the coefficient of friction. ModyGlide™ treated elastomeric parts permanently retain their lower friction characteristics, even when subjected to repeated cleaning and sterilization cycles.

Dynamic Friction Coefficient [N]

Material	Untreated	ModyGlide
Fluorinated silicone	12.0	0.60
Liquid silicone rubber	10.1	0.70
Heat cured silicone	9.20	0.80
SEBS	3.20	0.15
TPE	2.10	0.10
NBR	1.75	0.18
EPDM	1.55	0.25

Applications

- Gaskets
- Seals
- O-rings
- Dropper bulbs
- Applicators
- Grips
- Plungers
- Stoppers
- Flanges

Benefits

- Reduces friction coefficients
- Improves wear life
- Speeds up assembly
- Increases chemical resistance
- Eliminates lubricants

- Cleaner elastomeric surfaces
- Permanent uniform treatment
- More cost effective than engineered materials
- Does not affect bulk properties

Choose ModyGlide™

ModyGlide™ improves the surface properties of elastomers to reduce friction, increase durability and eliminate the need to source expensive, exotic materials.

Inhance Technologies
The science of better

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