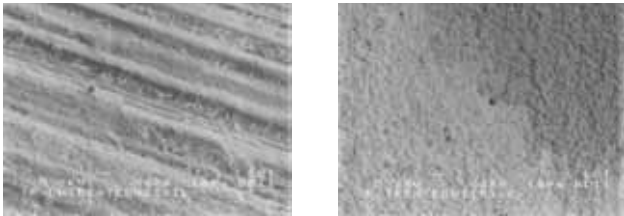


ERIKS provides a range of modification processes to reduce friction or surface contamination. These types of treatments may be beneficial for:

- Improving Dynamic Performance
- Reducing the Tackiness of Seals
- Improving Automatic Assembly
- Color Coding Parts for Easier Identification

Listed below are a few of the options for surface treatment that ERIKS offers. These treatments range from internally-lubricated elastomers to more exotic **SurfaceModified** (SuMo) parts.



Before

After

## SurfaceModification

In addition to the SuMo process which physically and chemically modifies the surface, ERIKS provides additional processes which may significantly improved dynamic performance. Parylene polymer coatings can be vacuum deposited in thicknesses from 0.003 to 0.1” on many surfaces. The Ultralube™ WS<sub>2</sub> coating has demonstrated reduced friction and can eliminate galling on metal parts.

## Products

### Coatings

Dip & Spin (PTFE, Moly, Siloxane)

Thermal Spray (PTFE, PUR-based)

Ultralube™ (WS<sub>2</sub>)

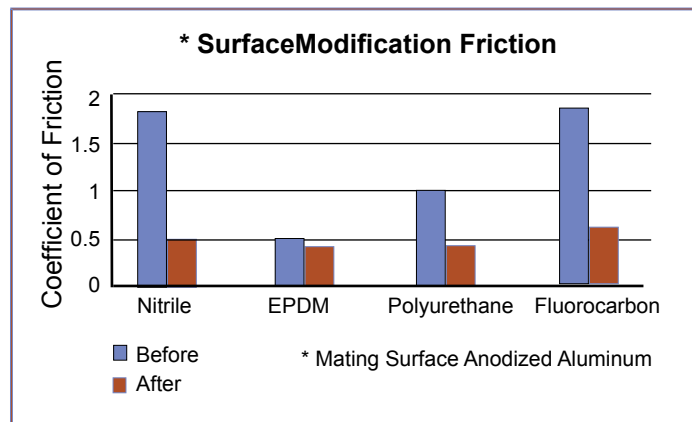
Depo-Par

### Internal Lubrication

### Halogenation (gas)

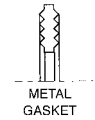
### SurfaceModification (SuMo)

Chemical and Surface Structure Changes

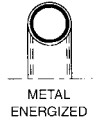


Process	Materials	Tackiness	Auto-Assembly	Dynamic Performance	Cost
Coating - PTFE	Elastomers, Metals	A	B	C	\$
Ultralube™	Metals, Plastics	N/A	N/A	A	\$\$
Depo-Par	Elastomers, Plastics	A	A	A	\$\$
Internal Lubrication	Elastomers	A	A	B	\$
Halogenation (gas)	Elastomers	A	A	B	\$\$\$
<b>SurfaceModified</b> (SuMo)	Elastomers, Plastics	A	A	A	\$\$

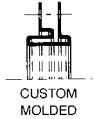
A - Very Good, B - Good, C - Satisfactory



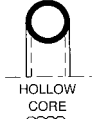
METAL GASKET



METAL ENERGIZED



CUSTOM MOLDED



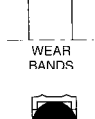
HOLLOW CORE



BRAIDED PACKING



OIL SEAL



WEAR BAND



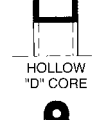
CAP SEAL



TEFLON® ENCAPSULATED



PISTON CUP



HOLLOW "D" CORE

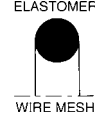


CONDUCTIVE ELASTOMER

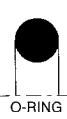


WIRE MESH ELASTOMER

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WIRE MESH



O-RING



T-SEAL



Q-RING



U-CUP



V-RING



WIPERS



PISTON RING



METAL O-RING



LOADED U-CUP



SPRING ENERGIZED



BONDED



GASKET



SQUARE-CUT



BACK-UPS

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