



Surface Enhancement Experts

# SLICK SIL<sup>SM</sup> LSR

Friction reducing technology for silicone rubber

## Low Friction & Flexible Replacement for Parylene

Slick Sil<sup>SM</sup> LSR is a translucent matte coating designed to reduce the coefficient of friction (COF) and, hence, the friction force of molded and extruded silicone elastomers. The ability of the Slick Sil<sup>SM</sup> LSR coating system to reduce the surface friction of elastomeric silicone parts enables LIM<sup>®</sup> (liquid silicone rubber), HCR, and RTV materials to be utilized in areas that were previously closed to silicones due to their high inherent COF.

## Key Features

- Low friction (.31) vs. raw silicone (.65)
- Chemical bond
- Thin film (.0005-.001")
- Elastomeric
- Excellent elongation
- Reduces surface dust pick up
- VOC (Volatile Organic Compound) free
- Biocompatible (USP class VI requirements)
- Can be tinted by using silicone compatible pigments
- Anti-microbial properties (optional)

## Disadvantages of Parylene & Silicone Lubricants

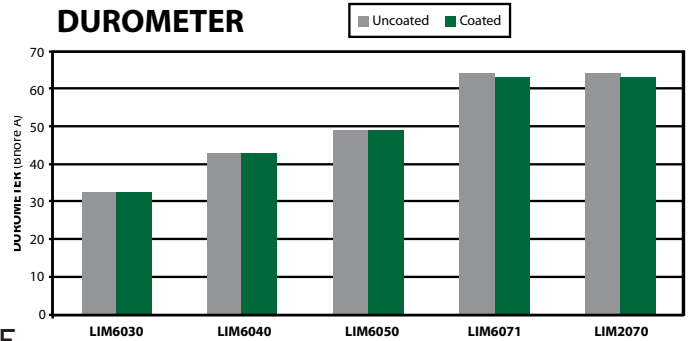
### Parylene:

- A rigid coating that cracks on flexible silicone (physical bond)
- Requires time consuming and expensive vapor deposition process
- No anti-microbial properties

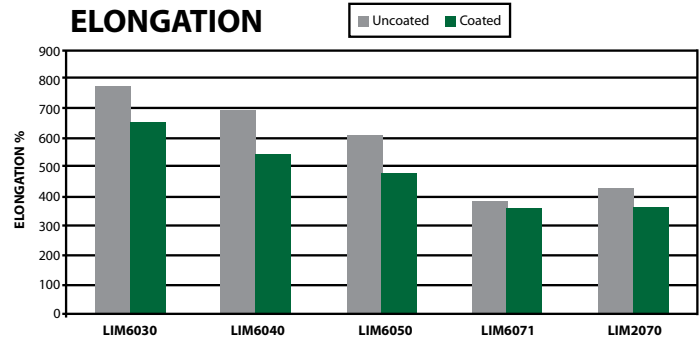
### Silicone Lubricants:

- If not applied correctly, the lubricant can migrate
- Extra cost and step in the manufacturing process
- Contaminate other areas of manufacturing facility
- Extremely expensive
- No anti-microbial properties

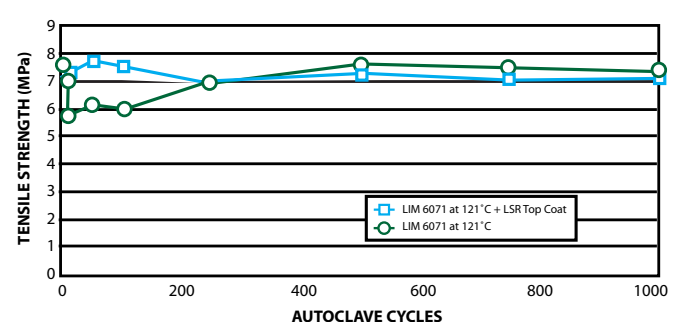
### DUROMETER



### ELONGATION



### AUTOCLAVE RESISTANCE



### 100% MODULUS

