



# Slick Sil<sup>®</sup> LSR

Friction Reducing Technology for Silicone Rubber

Every medical device we coat touches lives<sup>®</sup>

## Low Friction & Flexible Replacement for Parylene

Slick Sil<sup>®</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>®</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 (.00001" - .0002")
- 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)

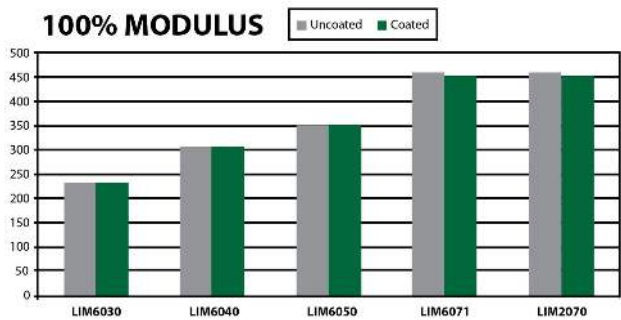
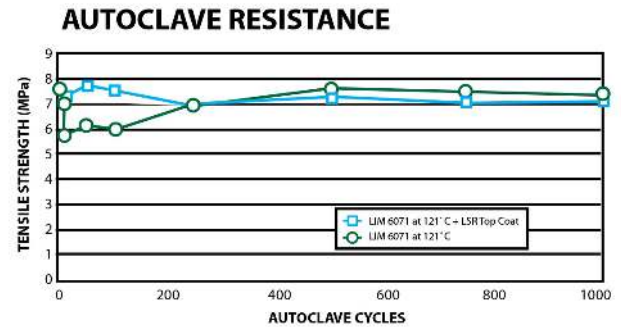
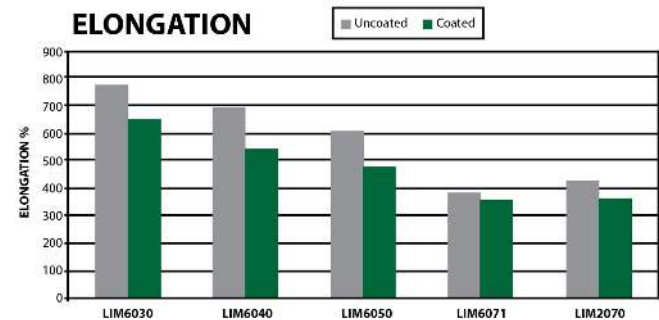
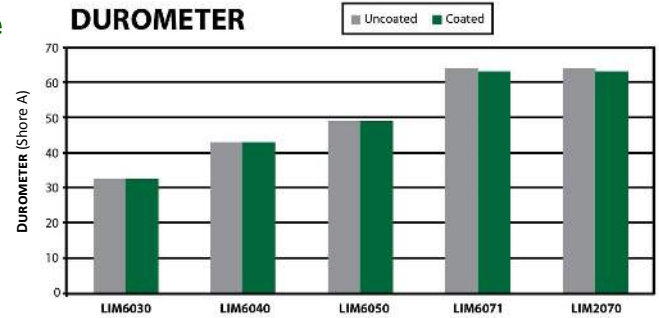
## Disadvantages of Parylene & Silicone Lubricants

### 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 manufacturing process
- Contamination of other manufacturing areas in facility
- Extremely expensive
- No anti-microbial properties



Biocompatibility is tested to ISO 10993-5 by third party labs and is for informational purposes only. Compliance to biocompatibility is the sole responsibility of the design owners. The information presented in this coatings data sheet is based on our application of and work with these coatings. End use conditions and methods of use with these coatings which are beyond our control may modify these results. Before adopting our coatings for commercial use, the user should test and confirm the suitability of these coatings for each specific use. Additionally, our recommendations and suggestions for the application and use of our coatings are not a warranty that such application or use are free from infringement of any third-party patent right. Slick Sil<sup>®</sup> is a US registered trademark of Innovatech, LLC which is used under license by Surface Solutions Group, LLC.



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