



Slick Sil[®] LSR

Friction Reducing Technology for Silicone Rubber

Every medical device we coat touches lives[®]

Low Friction & Flexible Replacement for Parylene

Slick Sil[®] 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[®] LSR coating system to reduce the surface friction of elastomeric silicone parts enables LIM[®] (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

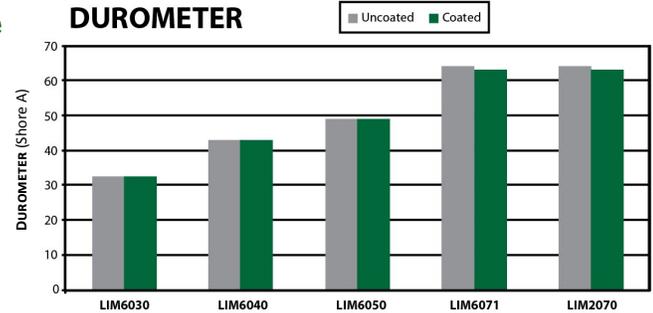
Parylene:

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

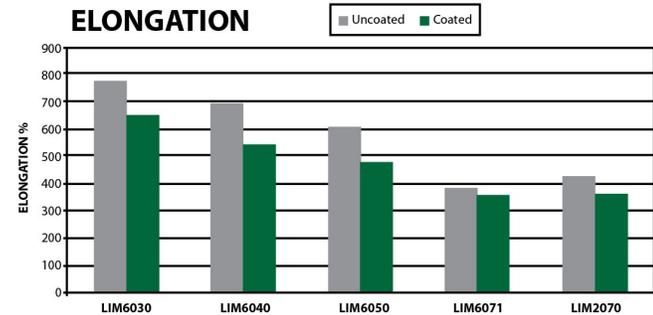
Silicone Lubricants:

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

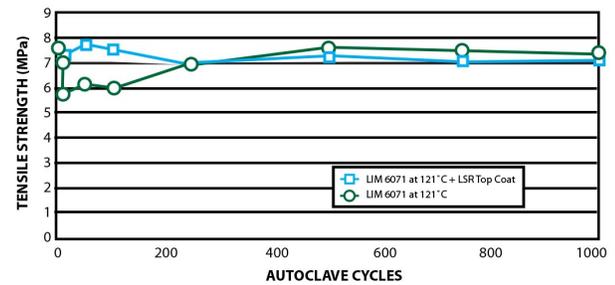
DUROMETER



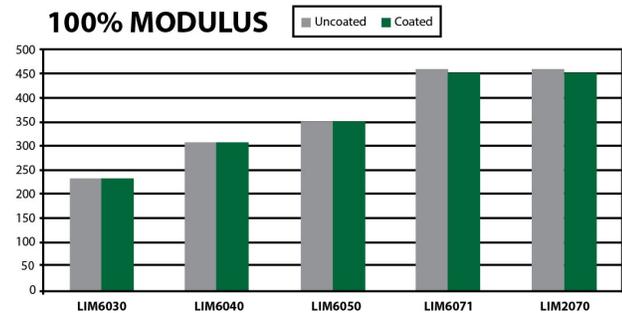
ELONGATION



AUTOCLAVE RESISTANCE



100% MODULUS



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