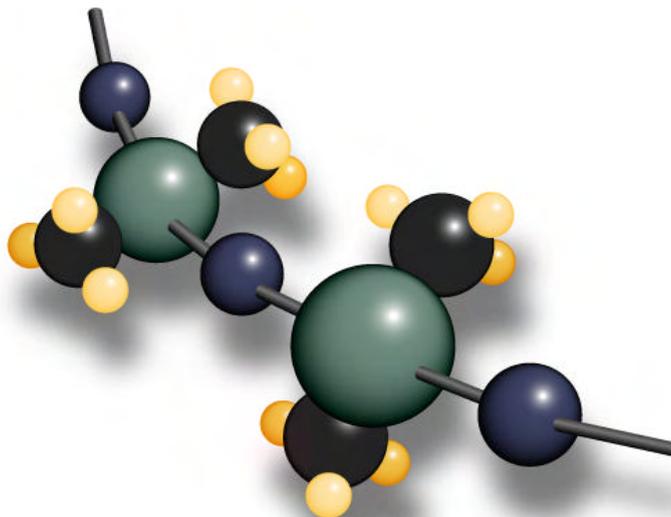


# Polymer Systems Technology Limited

UK & Ireland Distributor

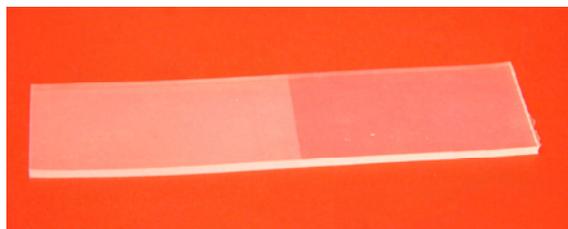


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## NUSIL TECHNOLOGY DELIVERS ENGINEERING SILICONE COATING WITH LOW COEFFICIENT OF FRICTION

*R-2182 curable silicone coating significantly reduces surface tack on silicone substrates.*



**CARPINTERIA, Calif.** - NuSil Technology LLC (<http://www.nusil.com>), a leading formulator and manufacturer of silicone compounds for the engineering industries, announces the release of R-2182. This curable coating is designed to alleviate surface tackiness and blocking (sticking to themselves by virtue of chemical affinity) in applications in which silicones come in contact with each other or other surfaces, such as precision molded parts, molded rubber stoppers, O-rings, gaskets, accordions or cables/cable coatings. [R-2182](#) can also be used to control the flow of hydrophilic fluids.

Silicone elastomers inherently have a high degree of surface tack which can present problems when storing, especially in cases where the silicone is likely to fold and unfold or spool together. R-2182 decreases the coefficient of friction of a cured silicone surface by at least 50 percent as compared to a non-coated silicone surface, so it is very well suited for these situations. In addition, it reduces the surface energy for masking by approximately 50 percent and has a high contact angle of 123°.

“The R-2182 chemically bonds to the underlying silicone substrate and resists abrasion, eliminating the concern of migration commonly associated with lubricants such as fluids and greases,” said Bill Riegler, Product Director – Engineering Materials.

## **NuSil Technology Delivers Engineering Silicone Coating with Low Coefficient of Friction**

R-2182 is a two-part, [low-coefficient of friction silicone coating](#) dispersed in xylene. A thin coat of R-2182 cures rapidly with elevated temperatures and, once cured, it chemically bonds to the silicone elastomer substrate, mimicking its mechanical properties. The result is a smooth and durable, yet flexible, coating that resists abrasion, stiction and friction from moving, sliding and rubbing parts.

For more information on NuSil's silicones for engineering applications, call 805-684-8780 or visit <http://www.nusil.com/products/engineering/index.aspx>.

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### **About NuSil Silicone Technology**

NuSil is a leading formulator of silicone compounds for healthcare, aerospace, electronics and other applications requiring precise, predictable materials performance. ISO 9001-certified since 1994, NuSil operates state-of-the-art laboratories and processing facilities in North America and provides on-site, in-person application engineering support worldwide. More information about NuSil Technology can be found at <http://www.nusil.com>.