

## DESCRIPTION

- One-part RTV silicone elastomer dispersed in tert butyl acetate
- 100 mol% fluorosilicone

## APPLICATION

- For coating, sealing and bonding applications requiring solvent and/or fuel resistance
- Designed for spraying, dip casting, and RTV curing of thin, elastomeric films
- For use as a coating to minimize ice adhesion
- Bonds aggressively to most surfaces
- Slight addition of heat will accelerate cure

## PROPERTIES

| TYPICAL PROPERTIES                                  | RESULT            | TEST REFERENCE | NT-TM |
|---|-------------------|----------------|-------|
| <b>Uncured:</b>                                     |                   |                |       |
| Appearance  | Translucent       | D2090          | 002   |
| Viscosity   | 735 cP (735 mPas) | D1084, D2196   | 001   |
| Non-Volatile Content                                | 60%               | D2288          | 004   |
| <b>Cured: 72 hours @ ambient temp. and humidity</b> |                   |                |       |
| Specific Gravity                                    | 1.36              | D792           | 003   |
| Durometer, Type A                                   | 30                | D2240          | 006   |
| Tensile Strength                                    | 750 psi (5.2 MPa) | D412           | 007   |
| Elongation  | 400%              | D412           | 007   |
| Tear Strength                                       | 40 ppi (7.1 kN/m) | D624           | 009   |

Properties tested on a lot-to-lot basis. Do not use the typical properties shown in this technical profile as a basis for preparing specifications. Please contact NuSil Technology LLC for assistance and recommendations in establishing particular specifications.

## INSTRUCTIONS FOR USE

### Surface Preparation

Clean the surface with an organic solvent (e.g. tert butyl acetate). Follow solvent cleaning with an IPA wipe. Wait 15 minutes until all the solvent has evaporated before the application of any materials. If applicable, apply adhesion promoter (primer) such as NuSil Technology LLC's SP-120 or SP-121 and allow 30 minutes for the adhesion promoter to cure. Keep the surface clean and free of dust and particulates until the dispersion is applied.

### Mixing

Thoroughly mix prior to use and/or further solvent addition. Exercise care to prevent solvent loss during deairing. Accomplish additional dilution for thin film applications by adding appropriate solvent, followed by mixing and deairing.

Warning: Consult the MSDS for R-3930 prior to use as the solvent carrier is hazardous.

### Heat and Low-Temperature Resistance

In most applications, silicone may be heated from 180 to 250°C, without any appreciable effect on physical properties. Silicone also demonstrates flexibility at extreme low temperatures, with a stiffening temperature range of -50 to -70°C.

The operating temperature range of a silicone in any application is dependent on many variables, including but not limited to: temperature, time of exposure, type of atmosphere, exposure of the material's surface to the atmosphere, and mechanical stress. In addition, a material's physical properties will vary at both the high and low end of the operating temperature range. Performance of a material in a specific application should be verified by the user.

### Packaging

1 Pint (475 g)  
1 Quart (910 g)  
1 Gallon (3.64 kg)

### Warranty

6 Months

## WARNINGS ABOUT PRODUCT SAFETY

NuSil Technology LLC believes the information and the data contained herein are accurate and reliable. However, the user is responsible to determine the material's suitability and safety of use. NuSil Technology LLC cannot know each application's specific requirements and hereby notifies the user that it has not tested or determined this material's suitability or safety for use in any application. The user is responsible to adequately test and determine the safety and suitability for their application and NuSil Technology LLC makes no warranty concerning fitness for any use or purpose. NuSil Technology LLC has completed no testing to establish safety of use in any medical application.

NuSil Technology LLC has tested this material only to determine if the product meets the applicable specifications. (Please contact NuSil Technology LLC for assistance and recommendations when establishing specifications.) When considering the use of NuSil Technology LLC products in a particular application, review the latest Material Safety Data Sheet and contact NuSil Technology LLC with any questions about product safety information.



Do not use any chemical in a food, drug, cosmetic, or medical application or process until having determined the safety and legality of the use. The user is responsible to meet the requirements of the U.S. Food and Drug Administration (FDA) and any other regulatory agencies. Before handling any other materials mentioned in the text, obtain available product safety information and take the necessary steps to ensure safety of use.

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## SPECIFICATIONS

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## PATENT WARNING

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## WARRANTY INFORMATION

NuSil Technology LLC's warranty period is 6 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology LLC provides a specific written warranty of fitness for a particular use, NuSil Technology LLC's sole warranty is that the product will meet NuSil Technology LLC's then current specification. NuSil Technology LLC specifically disclaims any other expressed or implied warranty, including warranties of merchantability and fitness for use. The exclusive remedy and NuSil Technology LLC's sole liability for breach of warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. NuSil Technology LLC expressly disclaims any liability for incidental or consequential damages.