

R1-3930-1

White RTV fluorosilicone dispersion

DESCRIPTION

- One Part RTV silicone elastomer dispersed in Tert Butyl Acetate
- 100 mole % fluorosilicone
- Federal Color Standard 27925 (White)

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	Average Result	Standard	NT-TM
Uncured:			
Appearance	White	ASTM D2090	002
Tack-Free Time	273 minutes	ASTM C679	005
Zahn Cup Viscosity	18.7 seconds	ASTM D1084	096
Cured: 72 hours at ambient temperature and humidity			
Specific Gravity	1.51	ASTM D792	003
Tear Strength	52 pli	ASTM D624	009
Durometer, Type A	37	ASTM D2240	006
Tensile Strength	739 psi (5.09 MPa)	ASTM D412	007
Elongation	334%	ASTM D412	007

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

INSTRUCTIONS FOR USE

Mixing

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

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. Keep the surface clean and free of dust and particulates until the dispersion is applied.

Note: Some bonding applications may require the use of a primer. [Contact](#) NuSil Technology LLC for information on available primers.

OPERATING TEMPERATURE

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. This type of silicone typically remains flexible at extremely low temperatures and has been known to perform at -65°C (-85°F) as well as resist breakdown at elevated temperatures up to 250°C (482°F). The user is responsible to verify performance of a material in a specific application.

ROHS AND REACH COMPLIANCE

Please [contact](#) NuSil Technology's Regulatory Compliance department with any questions or for further assistance.

SPECIFICATIONS

Do not use the properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC (hereinafter "NuSil Technology") is 12 months from the date of

Packaging

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

Warranty

12 Months

shipment when stored below 40°C in original unopened containers. Unless NuSil Technology provides a specific written warranty of fitness for a particular use, NuSil Technology's sole warranty is that the product will meet NuSil Technology's then current specification. NuSil Technology specifically disclaims all other expressed or implied warranties, including, but not limited to, warranties of merchantability and fitness for use. The exclusive remedy and NuSil Technology'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 expressly disclaims any liability for incidental or consequential damages.

WARNINGS ABOUT PRODUCT SAFETY

NuSil Technology believes, to the best of its knowledge, that the information and data contained herein are accurate and reliable. The user is responsible to determine the material's suitability and safety of use. NuSil Technology 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 makes no warranty concerning fitness for any use or purpose. NuSil Technology has completed no testing to establish safety of use in any medical application.

NuSil Technology has tested this material only to determine if the product meets the applicable specifications. (Please [contact](#) NuSil Technology for assistance and recommendations when establishing specifications.) When considering the use of NuSil Technology products in a particular application, review the latest Material Safety Data Sheet and [contact](#) NuSil Technology 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, the user is advised to obtain

available product safety information and take the necessary steps to ensure safety of use.

PATENT / INTELLECTUAL PROPERTY WARNING

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patent/intellectual property right. NuSil Technology does not warrant the use or sale of the products described herein will not infringe the claims of any domestic or international patent/intellectual property right covering the product itself, its use in combination with other products, or its use in the operation of any process.