R3-3930-11

Fluorosilicone adhesive/sealant/coating

DESCRIPTION

- A gray, two-part, RTV silicone
- Supplied in a 6 oz tube with a quart of solvent/flattening agent
- Federal Color Standard 36375 (flat gray)
- 100 mole % fluorosilicone

APPLICATION

- For coating, sealing and bonding applications requiring solvent and/or fuel resistance
- Can be further dispersed for spraying applications
- Bonds aggressively to most surfaces
- For protecting or bonding hardware components exposed to gasoline or aviation fuels

PROPERTIES

Typical Properties	Average Result	Metric Conv.	Standard	NT-TM
Uncured Part A:				
Appearance	Gray	-	ASTM D2090	002
Consistency	Thixotropic	-	-	-
Tack-Free Time	20 minutes	-	ASTM C679	005
Cured Part A: 72 hours at ambient temperature and humidity				
Specific Gravity	1.36	-	ASTM D792	003
Durometer, Type A	40	-	ASTM D2240	006
Tensile Strength	815 psi	5.6 MPa	ASTM D412	007
Elongation	400 %	-	ASTM D412	007
Tear Strength	50 ppi	8.8 kN/m	ASTM D624	009
Cured Part A: 7 days at ambient temperature and humidity				
Lap Shear Strength (primed)	375 psi	2.6 MPa	ASTM D1002	010

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INSTRUCTIONS FOR USE

Mixing

Dispense 6 oz tube into solvent/flattening agent and mix until homogenous. Accomplish additional dilution for spray applications by adding appropriate solvent. Take care to hold the tube nozzle below the surface of the solvent in order to limit the exposure to atmospheric moisture to achieve maximum work time.

Cure Time

Curing or vulcanization time depends upon the thickness of the silicone adhesive layer, relative humidity, and accessibility of atmospheric moisture to the curing adhesive. For sections of typical thickness, a relative humidity level between 20-60% is recommended to cure the adhesive at room temperature. Cure continues for several days until acetic acid odor has disappeared.

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.

SPECIFICATIONS

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.

WARRANTY INFORMATION

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

Packaging	Warranty
6 oz Kit (0.333 kg)	12 Months

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.

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PATENT / INTELLECTUAL PROPERTY WARNING

NuSil Technology disclaims any expressed or implied warranty against the infringement of any domestic or international 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.

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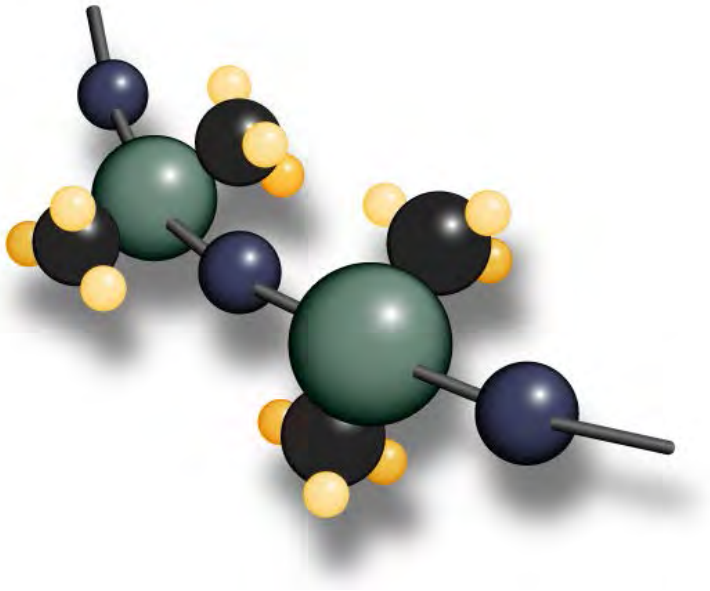

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