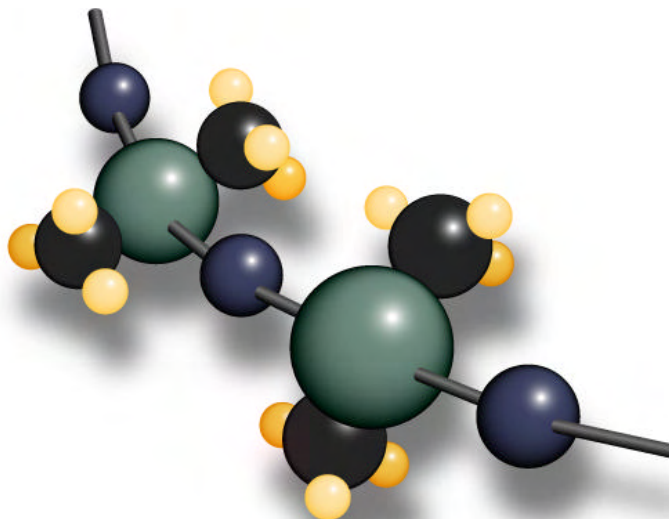


Polymer Systems Technology Limited

UK & Ireland Distributor



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CF4-1144-0

RTV Silicone Dispersion Coating

Product Profile

Description

- One-Part, flowable, RTV silicone rubber dispersion
- Cures to a tough, transparent film in 24 hours
- Based in a diphenyl dimethyl copolymer with a broad operating temperature range

Applications

- As a protective coating to prevent erosion of various parts and surfaces in missiles, rockets, aircraft and launch equipment
- As a conformal coating for electronic applications

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Uncured:				
Solvent Type	VM&P Naphtha	-	-	-
Color	Translucent	-	-	-
Non-Volatile Content	50%	-	D-2288-69	004
Viscosity	800 cP	800 mPas	D-1084, D-2196	001
Cure Time, 50% R.H. @ 25°C				
Tack-Free Time	60 minutes	-	C-679-87	005
Full Cure	7 days	-	-	-
Operating Temperature Range	-178°F to 500°F	-115°C to 260°C	-	-

Instructions for Use

Thoroughly stir prior to use, as the product separates. Apply by spraying, dipping or brushing. Average build per dip is 2-3 mils as supplied. Apply successive coats within 30 minutes of the preceding coat.

For spraying applications, the coating should be thinned with a compatible moisture free solvent to the appropriate viscosity. Solvent addition must be free of moisture and should be mixed with CF4-1144-0 in a closed container with a commercial paint shaker.

Substrate Considerations

Although generally considered to be non-corrosive to most substrates, the oxime cure system may cause discoloration in the presence of copper or copper alloys.

Note: Some bonding applications may require the use of a primer. NuSil Technology SP-120 silicone primer is recommended.

Warnings About Product Safety

NuSil Technology 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 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.

Packaging

1 Pint (400 g)

Warranty

6 Months

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

Specifications

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

Patent Warning

NuSil Technology disclaims any expressed or implied warranty against the infringement of any patent. NuSil Technology does not warrant the use or sale of the products described herein will not infringe the claims of any United States' or other country's patents covering the product itself, its use in combination with other products or its use in the operation of any process.

Warranty Information

NuSil Technology's warranty period is 6 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 any other expressed or implied warranty, including 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.