

NuSil Technology

1050 Cindy Lane • Carpinteria, CA 93013

805/684-8780 • 805/566-9905 Fax

www.nusil.com

An ISO 9001 Certified Company

Product Profile

MED10-6607 RTV Silicone Dispersion Coating

Description:

NuSil Technology MED10-6607 Silicone Dispersion Coating is a high strength, one-part flowable RTV silicone dispersion.

NuSil Technology's MED10-6607 is a restricted product. It shall not be considered for use in human implantation for a period of greater than 29 days.

Instructions for Use:

MED10-6607 may be applied by dipping, brushing or spraying. Average build per dip is 5 to 6 mils as supplied. Apply successive coats within 30 minutes of the preceding coat. For spraying applications the coating should be thinned with moisture free naphtha. Solvent addition must be free of moisture and should be mixed with MED10-6607 in a closed container, preferably with a commercial paint shaker.

NOTE: A primer may be required in some bonding applications. NuSil Technology SP-120 Silicone Primer is recommended.

WARNING: THE SOLVENT CARRIER IN MED10-6607 IS HAZARDOUS AND THE MSDS FOR MED10-6607 SHOULD BE CONSULTED PRIOR TO USE.

Storage:

This material cures in the presence of atmospheric moisture. It is recommended that an inert gas, such as Argon or Nitrogen, be used to blanket the product before securely re-closing the container.

Typical Properties as Supplied:

	<u>MED10-6607</u>
Chemical Classification	MQ
Cure System	Oxime
Color	Translucent
Solids Content, wt, %	33
Solvent	
VM&P Naphtha	
Viscosity, cP	5500
Cure Time, 50% R.H. @25°C	
Tack Free, minutes	30
Full Cure, days	7

Typical Cured Properties:

	<u>MED10-6607</u>
Cured 7 Days @25°C, 50% R.H.	
Specific Gravity @ 25°C (77°F)	1.10
Durometer	40
Tensile Strength, psi / MPa	900 / 6.2
Elongation, %	650
Tear Strength, ppi, Die B / kN/m	130 / 22.8

Substrate Consideration:

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

Test Methods:

	<u>ASTM</u>	<u>NTM</u>
Specific Gravity	D792	003
Durometer, Hardness		
Shore A, points	D2240	006
Tensile Strength, psi	D412	007
Elongation, percent	D412	007
Tear Strength, die B ppi	D624	009

Packaging:

One Pint Container
One Gallon Container
Five Gallon Container

FDA Master File:

A Master File for MED10-6607 is in process with the U.S. Food and Drug Administration. The Master File will contain the results of applicable chemical and mechanical equivalency tested as well as confirmatory biological testing. Customers interested in authorization to reference these files must contact NuSil Technology.

Warnings About Product Safety:

NuSil Technology believes that the information and data contained herein is accurate and reliable; however, it is the user's responsibility to determine suitability and safety of use for these materials. NuSil Technology can not know the specific requirements of each application and hereby makes the user aware that it has not tested or determined that these materials are suitable or safe for any application. It is the user's responsibility 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. There has been no testing done by NuSil Technology 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, you should review the latest Material Safety Data Sheets and contact NuSil Technology for any questions about product safety information you may have.

No chemical should be used in a food, drug, cosmetic, or medical application or process until you have determined the safety and legality of the use. It is the responsibility of the user 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, you should obtain available product safety information and take the necessary steps to ensure safety of use.

Specifications:

The typical properties shown in this technical profile should not be used 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 that the use or sale of the products described herein will not infringe the claims of any United States patents or other country's patents covering the product itself or the use in combination with other products or in the operation of any process.

Warranty Information:

NuSil Technology's warranty period is 6 months from date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology provides you with 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 express or implied warranty, including warranties of merchantability and of fitness for use. Your 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, and NuSil Technology expressly disclaims any liability for incidental or consequential damages.