

MED-6605

RTV Cure Silicone Dispersion



Creative Partners in a Material World

NuSil Technology

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An ISO 9001 Certified Company

Product Profile

Description

- Translucent, one-part RTV silicone dispersion

Applications

- Designed for dip casting and room temperature curing of thin, elastomeric films

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Uncured:				
Cure System	Acetox	-	-	-
Appearance	Clear to translucent. Light straw to slight bluish tint.	-	D2090	002
Non-Volatile Content	29%	-	D2288	004
Solvent	Xylene	-	-	-
Viscosity	700 cP	700 mPas	D1084, D2196	001
Cured: 5 days (+4/-0) hours @ ambient temp. & humidity (remove from chase @ 24 ± 2 hours)				
Specific Gravity @ 25°C (77°F)	1.09	-	D792	003
Durometer, Type A	25	-	D2240	006
Tensile Strength	1,575 psi	10.9 MPa	D412, D882	007
Elongation	1,050%	-	D412, D882	007
Tear Strength Die B	125 ppi	22.0 kN/m	D624	009
Stress @ 300% Strain	160 psi	1.1 MPa	D412, D882	007

Instructions for Use

Mixing

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

Warning: Consult the MSDS for MED-6605 prior to use as the solvent carrier is hazardous.

Vacuum Deaeration

Remove air entrapped during mixing by common vacuum deaeration procedure, observing all applicable safety precautions. Slowly apply full vacuum to a container rated for use and at least four times the volume of material being deaerated. Hold vacuum until bulk deaeration is complete.

FDA Master Access File

A Master Access File for MED-6605 is filed with the U.S. Food and Drug Administration. Customers interested in authorization to reference the Master Access File must contact NuSil Technology.

Packaging

1 Pint (450 g)
1 Gallon (3.6 kg)
5 Gallon (18.0 kg)

Warranty

12 Months

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.

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

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Warranty Information

NuSil Technology's warranty period 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 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.