

# Polymer Systems Technology Limited

UK & Ireland Distributor



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# MED-6608

Silicone Coating / Marking Ink Series

## Product Profile

**NuSil Technology**

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An ISO 9001 Certified Company

### Description

- One-part, flowable silicone elastomer dispersions
- Cures at room temperature when exposed to atmospheric moisture
- Non-corrosive cure system
- Available in white (-1) or black (-2)

### Applications

- Designed for marking and printing applications

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
<b>Uncured:</b>				
Viscosity	1,150 cP	1,150 mPas	D2196	001
Non-Volatile Content	70%	-	D2288	004
Tack-Free Time	45 min	-	C679	005
Full Cure	7 days	-	-	075
<b>Cure Time:</b> 7 days @ ambient temperature and humidity				
Durometer, Type A	30	-	D2240	006
Tensile Strength	300 psi	2.1 MPa	D412, D882	007
Elongation	200%	-	D412, D882	007

### Instructions for Use

Shake well before using to ensure a homogenous mixture. Application methods include: dipping, wiping, spraying, and pad and screen-printing. Adjust viscosity to match the appropriate application method. For specialized applications, multiple coats may be required. Take care to ensure that under layers have not completely cured before applying subsequent coatings.

### 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.

### Solvent Addition

As supplied, MED-6608 is dispersed in xylene. Lower the viscosity by adding compatible moisture-free solvents. Among these solvents are xylene, toluene, hexane and VM&P naphtha. Carry out mixing without introducing moisture from the air into the coating. Accomplish proper mixture by agitation in a closed container on a commercial paint shaker.

### FDA Master File

A Master Access File for MED-6608 has been 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**

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 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.