

MED8-6608-2

Black silicone coating and marking ink

DESCRIPTION

- One-part, flowable silicone elastomer dispersion
- Cures at room temperature upon exposure to atmospheric moisture
- Non-corrosive cure system

APPLICATION

- Ideal for use as a marking ink for silicone parts and other components on which the coating must maintain long-term stability
- For use in pad and transfer printing applications
- Provides high opacity for single print applications

NuSil® MED8-6608-2 may be considered for use in human implantation for a period of greater than 29 days.

PROPERTIES

Typical Properties	Average Result	Standard	NT-TM
Uncured:			
Appearance	Black	ASTM D2090	002
Non-Volatile Content	70%	ASTM D2288	004
Viscosity	700 cP (700 mPas)	ASTM D1084, D2196	001
Tack-Free Time	40 minutes	ASTM C679	005
Cured: 7 days minimum at ambient temperature and humidity			
Specific Gravity	1.83	ASTM D792	003
Tissue Culture (Cytotoxicity Testing)	Pass	USP <87> ISO 10993-5	061

The test data shown for this material is the average value for typical properties. All of these properties may not be tested on a lot to lot basis and cannot be used to draft specifications. Please [contact](#) NuSil for assistance and recommendations in establishing limits for product specifications.

INSTRUCTIONS FOR USE

Stir well before using. Apply with pad or screen printing equipment. Adjust viscosity to match the application method. Multiple coats may be required for specialized applications. Take care to ensure that layers have not completely cured before applying subsequent coats.

Note: Some bonding applications may require the use of a primer. NuSil's MED-160 is recommended. For more information on primer selection, visit www.avantorsciences.com/nusil and review [Choosing a Silicone Primer/Adhesive System](#).

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 re-sealing the container.

Solvent Addition

MED8-6608-2 is dispersed in xylene and its viscosity may be reduced by adding compatible moisture-free solvents. Among these solvents are xylene, toluene, hexane and VM&P naphtha. Mix without introducing moisture from the air into the coating. Accomplish proper mixture by agitation in a closed container on a commercial paint shaker.

Warning: Consult the MSDS for MED8-6608-2 prior to use, as its solvent carrier is hazardous.

FDA MASTER FILE

For customers interested in a Master File (MAF) for this product, please [contact](#) NuSil.

REACH COMPLIANCE

Please [contact](#) NuSil's Regulatory Compliance department with any questions or for further assistance.

SPECIFICATIONS

Do not use the typical properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil for assistance and recommendations in establishing limits for product specifications.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC is 12 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil provides a specific written warranty of fitness for a particular use, NuSil's sole

Packaging

1 Pint (0.45 kg)

Warranty

12 Months

warranty is that the product will meet NuSil's then current specification. NuSil 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'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 expressly disclaims any liability for incidental or consequential damages.

WARNINGS ABOUT PRODUCT SAFETY

NuSil 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 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 makes no warranty concerning fitness for any use or purpose. NuSil has completed no testing to establish safety of use in any medical application.

NuSil has tested this material only to determine if the product meets the applicable specifications. (Please [contact](#) NuSil for assistance and recommendations when establishing specifications.) When considering the use of NuSil products in a particular application, review the latest Material Safety Data Sheet and [contact](#) NuSil 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.

PATENT / INTELLECTUAL PROPERTY WARNING

NuSil disclaims any expressed or implied warranty against the infringement of any domestic or international patent/intellectual

property right. NuSil 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.