

# Polymer Systems Technology Limited

UK & Ireland Distributor



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# MED-6345

Tacky Silicone Gel

## Product Profile

### Description

- A clear, tacky silicone gel
- A medium viscosity liquid that cures to a soft, high penetration silicone

### Applications

- Designed for casting or potting
- Consider for cushioning or dampening and transdermal applications

**NuSil Technology's MED-6345 is a restricted product. It should not be considered for use in human implantation for a period greater than 29 days.**

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
<b>Uncured:</b>				
Chemical Classification	VMQ	-	-	-
Appearance	Clear	-	D2090	002
Viscosity	12,000 cP	12,000 mPas	D1084, D2196	001
<b>Cured: 3 hours @ 60°C</b>				
Penetration*	5 tenths of mm	-	D217	021

\*GCA Precision Penetrometer, 19.5 g shaft, 6.35 mm diameter foot, 15 seconds

### Instructions for Use

#### Mixing

Thoroughly mix just prior to use in a ratio of 1:1 by weight or volume. To obtain a softer gel (higher penetration value), increase the ratio of Part A to Part B in the initial mix. Similarly, to obtain a firmer gel (lower penetration value), increase the ratio of Part B to Part A. Changes in the cure rate result when deviations from the 1:1 mix are used. Airless mixing, metering and dispensing is recommended for production processing.

**Note:** Some applications may require the use of a primer. NuSil Technology CF1-135 silicone primer is recommended.

#### 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.

#### Cure Inhibition

The cure may be inhibited by traces of amines, sulfur, nitrogen oxide, organotin compounds and carbon monoxide. Because organic rubbers often contain these substances, they should not come in contact with the uncured elastomer. Catalyst residues from silicone RTV elastomers and peroxide-cured silicone elastomers may also inhibit the cure.

### FDA Master Access File

A Master Access File for MED-6345 will be filed with the U.S. Food and Drug Administration. Customers interested in authorization to reference the Master Access File must contact NuSil Technology.

#### Packaging

400 ml SxS Kit  
 2 Pint Kit  
 2 Gallon Kit  
 10 Gallon Kit  
 2 Drum Kit

#### 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 with 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.