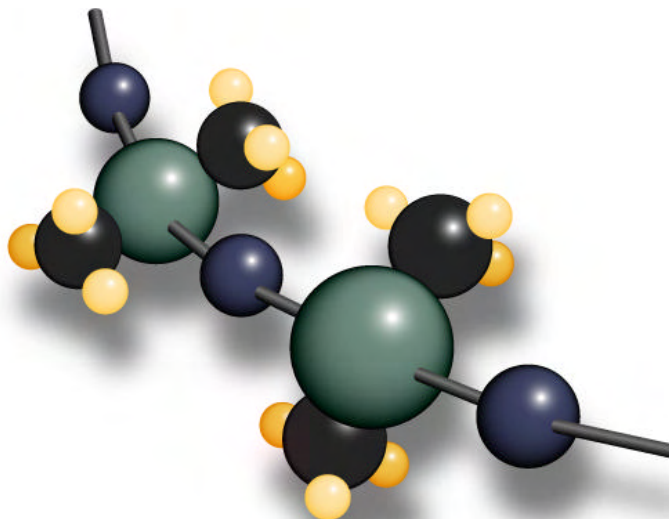


Polymer Systems Technology Limited

UK & Ireland Distributor



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MED-6340

Firm Silicone Gel

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An ISO 9001
 Certified Company

Description

- Optically clear, firm silicone gel
- Supplied as a medium viscosity, two-component liquid, which mixes easily
- 1:1 Mix Ratio (Part A:B)

Applications

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

NuSil Technology's MED-6340 is a restricted product. It should not be considered for use in human implantation for a period greater than 29 days.

Properties	Average Result	ASTM	NT-TM
Uncured:			
Appearance	Translucent	D2090	002
Viscosity, Part A	10,000 cP (10,000 mPas)	D1084, D2196	001
Viscosity, Part B	6,000 cP (6,000 mPas)	D1084, D2196	001
Work Time	3 hours	-	008
Specific Gravity	0.97	D1298	097
Cured: 30 minutes @ 140°C (284°F)			
Penetration (Labline Penetrometer, 51 gram shaft, 1/8 th inch foot, 15 seconds)	3 mm (0.12 inches)	D217	011

Properties tested on a lot-to-lot basis. Do not use the properties shown in this technical profile as a basis for preparing specifications. Please contact NuSil Technology for assistance and recommendations in establishing particular specifications.

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 MED1-161 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.

Packaging

50 ml SxS Kit
 2 Pint Kit (910 g)
 2 Gallon Kit (7.28 kg)
 10 Gallon Kit (36.4 kg)
 2 Drum Kit (340 kg)

Warranty

12 Months

FDA Master File

Customers interested in authorization to reference U.S. Food and Drug Administration Master Files must contact NuSil Technology.

Specifications

Do not use the properties shown in this technical profile as a basis for preparing specifications. Please contact NuSil Technology for assistance and recommendations in establishing particular specifications.

Warranty Information

The warranty period provided by NuSil Technology LLC (hereinafter "NuSil Technology") 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 all other expressed or implied warranties, including, but not limited to, 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.

Warnings About Product Safety

NuSil Technology 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 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, the user is advised to obtain available product safety information and take the necessary steps to ensure safety of use.

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