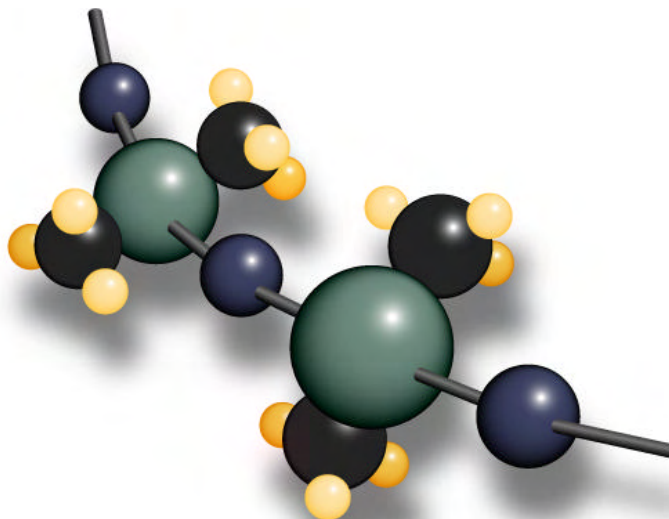


Polymer Systems Technology Limited

UK & Ireland Distributor



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Product Profile



NuSil Technology LLC
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An ISO 9001
Certified Company

MED-4286

Ultra-Soft Elastomer

Description

- A two-part, low viscosity, very soft, silicone system
- 1:1 Mix Ratio (Part A:B)

Applications

- For potting, encapsulating, and replicating surfaces and devices

Typical Properties	Result	TEST REFERENCE	NT-TM
Uncured:			
Appearance*	Visually free of particulates, lumps, and gels	D2090	002
Viscosity, Part A*	8,300 cP (8,300 mPas)	D1084, D2196	001
Viscosity, Part B*	4,400 cP (4,400 mPas)	D1084, D2196	001
Work Time*	8 hours minimum	-	008
Cured: 45 minutes @ 150°C (302°F)			
Durometer, Type 000*	55	D2240	006
Tensile Strength	45 psi (0.28 MPa)	D412	007
Elongation	475%	D412	007
Stress @ 200% Strain	8 psi (0.06 MPa)	D412	007

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

Instructions for Use

Mixing

Mix in a 1:1 ratio Part A to part B. Take care to minimize air entrapment during mixing.

Substrate Consideration

MED-4286 will cure in contact with most materials common to biomedical assemblies. Exceptions include sulfur-cured organic rubbers, latex, chlorinated rubbers, some RTV silicones and unreacted residues of some curing agents. Units being encapsulated or potted should be clean and free of surface contaminants. Containers and dispensers being used with MED-4286 should also be clean and dry.

Note: Some bonding applications may require the use of a primer. NuSil Technology LLC's MED1-161 silicone primer is recommended.

Adjustable Cure Schedule

Product cures at room temperature and a wide range of elevated temperatures and cure times to accommodate different production needs. Contact NuSil Technology for details.

FDA Master File

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

Packaging

50 mL SxS Kit
400 mL SxS Kit
2 Pint Kit (910 g)
2 Gallon Kit (7.28 kg)
10 Gallon Kit (36.4 kg)

Warranty

12 Months

Warnings About Product Safety

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

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

Patent Warning

NuSil Technology LLC disclaims any expressed or implied warranty against the infringement of any patent. NuSil Technology LLC 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 LLC's warranty period is 12 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology LLC provides a specific written warranty of fitness for a particular use, NuSil Technology LLC's sole warranty is that the product will meet NuSil Technology LLC's then current specification. NuSil Technology LLC specifically disclaims any other expressed or implied warranty, including warranties of merchantability and fitness for use. The exclusive remedy and NuSil Technology LLC'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 LLC expressly disclaims any liability for incidental or consequential damages.