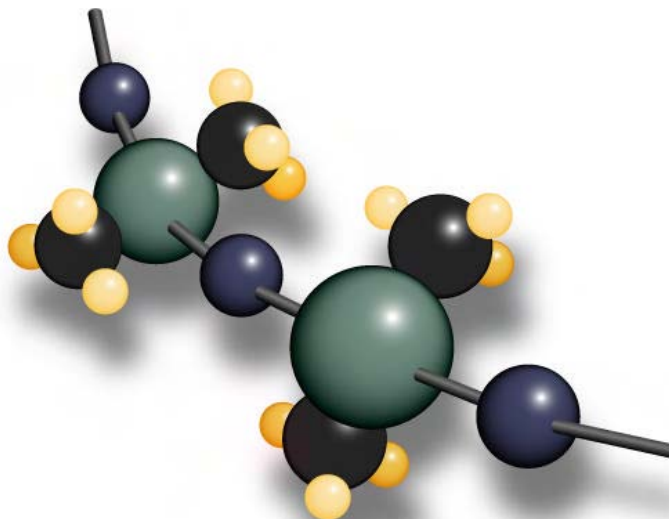


# Polymer Systems Technology Limited

UK & Ireland Distributor



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# MED2-4420

Fast Cure Silicone Elastomer

NuSil Technology

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An ISO 9001 Certified Company

## Product Profile

### Description

- A two-part, translucent silicone elastomer system that cures at room temperature
- 1:1 Mix Ratio (Part A:B)

### Applications

- For applications requiring very rapid cure elastomer
- For potting, encapsulating, and replicating surfaces and devices
- For providing protection of electronic components and assemblies against shock vibration, moisture, ozone, dust, and contaminants

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
<b>Uncured:</b>				
Appearance	Translucent	-	D2090	002
Viscosity, Part A	20,000 cP	20,000 mPas	D1084, D2196	001
Viscosity, Part B	16,500 cP	16,500 mPas	D1084, D2196	001
Work Time	3 minutes	-	-	008
<b>Cured: 15 minutes @ 150°C</b>				
Specific Gravity	1.07	-	D792	003
Durometer, Type A	20	-	D2240	006
Tensile Strength	550 psi	3.8 MPa	D412, D882	007
Elongation	475%		D412, D882	007

### Instructions for Use

#### Mixing

Part A and Part B mix in a 1:1 ratio when using the static mix and dispense cartridge. Attach a disposable static mix tip to the cartridge and dispense through the static mix head directly on to the substrate.

#### Substrate Consideration

Cures in contact with most materials. Exceptions include butyl and 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 should also be clean and dry. Cure inhibition can usually be prevented by washing all containers with clean solvent or volatilizing the contaminants by heating.

#### 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 Access File

A Master Access File for MED2-4420 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

50 ml SxS Kit  
2 Pint Kit (91 g)  
2 Gallon Kit (7.28 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.