

# Polymer Systems Technology Limited

UK & Ireland Distributor



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# MED15-2980

## Thermally Conductive Silicone Elastomer

### Description

- Two-part, white, thermally conductive silicone
- 15:1 Mix Ratio (Part A: B)

### Application

- For use as a thermally conductive adhesive and potting compound

**NuSil Technology's MED15-2980 is a restricted product. It shall not be considered for use in human implantation for a period of greater than 29 days.**

Properties	Average Result	ASTM	NT-TM
<b>Uncured:</b>			
Appearance	White	D2090	002
Work Time	4 hours	-	008
<b>Cured:</b> 30 minutes @ 150°C (302°F)			
Specific Gravity	1.53	D792	003
Durometer, Type A	80	D2240	006
Tensile Strength	300 psi (2.1 MPa)	D412	007
Elongation	20%	D412	007
Thermal Conductivity	1.56 W/(mK) (37 x 10 <sup>-4</sup> cal/(cm·sec·°C))	E1530	101

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

Stir Part A well prior to weighing for mixing to ensure the filler is homogeneous throughout. Thoroughly mix in a ratio of 15:1 Part A to Part B.

#### Vacuum Deaeration

Remove air entrapped during mixing by common vacuum deaeration procedure, observing all applicable safety precautions. Slowly apply vacuum to a container rated for use and of volume at least four times that of material being deaerated. Hold vacuum until presence of air is no longer evident.

#### Substrate Considerations

MED15-2980 will cure in contact with most materials. Exceptions include butyl and chlorinated rubbers, some RTV silicones and unreacted residues of some curing agents.

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

#### Adjustable Cure Schedule

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

### Packaging

100 Gram Kit  
 250 Gram Kit  
 500 Gram 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 for assistance and recommendations in establishing particular specifications.

## **Patent Warning**

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## **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.