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UK & Ireland Distributor



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NuSil Technology

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An ISO 9001 Certified Company

Product Profile

MED-6382 Silicone Elastomer

Description:

NuSil Technology MED-6382 Silicone Elastomer is a pourable, two-component silicone designed especially for applications requiring a fast-curing elastomer.

Applications:

MED-6382 is useful in various medical prostheses as well as a mold making material and as a splint for holding tissue in place.

NuSil Technology's MED-6382 are restricted products. They shall not be considered for use in human implantation for a period of greater than 29 days.

Mixing:

Add 0.5% by weight catalyst to the base material and mix thoroughly for two minutes. If an air-free mixture is desired then vacuum deair the mixture to minimize trapped air bubbles.

Vacuum Deaeration:

Air entrapped during mixing should be removed by common vacuum deaeration procedure, observing all applicable safety precautions. Apply full vacuum slowly to a container rated for use and of volume of material to be deaerated. Hold vacuum until bulk deaeration is complete.

Typical Properties as Supplied:

	<u>MED-6382</u>
Chemical Classification	MQ
Color	Tan
Viscosity, cps	40,000
Working Time @ 25°C, hours	10 Minutes
Mix Ratio	100:0.5

Typical Cured Properties:

After 24 hours @ RT. & 50% R.H.

	<u>MED-6382</u>
Appearance	Tan, elastomer
Specific Gravity @ 25°C (77°F)	1.13
Durometer	45
Tensile Strength, psi / MPa	400 / 2.8
Elongation, %	200

Packaging:

One Pint Kit
One Gallon Kit
Five Gallon Kit

Warnings About Product Safety:

NuSil Technology believes that the information and data contained herein is accurate and reliable; however, it is the user's responsibility to determine suitability and safety of use for these materials. NuSil Technology can not know the specific requirements of each application and hereby makes the user aware that it has not tested or determined that these materials are suitable or safe for any

application. It is the user's responsibility 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. There has been no testing done by NuSil Technology 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, you should review the latest Material Safety Data Sheets and contact NuSil Technology for any questions about product safety information you may have.

No chemical should be used in a food, drug, cosmetic, or medical application or process until you have determined the safety and legality of the use. It is the responsibility of the user 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, you should obtain available product safety information and take the necessary steps to ensure safety of use.

Specifications:

The typical properties shown in this technical profile should not be used 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 6 months from date of shipment when stored below 40°C in

original unopened containers. Unless NuSil Technology provides you with 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 express or implied warranty, including warranties of merchantability and of fitness for use. Your 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, and NuSil Technology expressly disclaims any liability for incidental or consequential damages.