

MED12-6300

HIGH PURITY SILICONE GEL

DESCRIPTION

- A high purity, optically clear, responsive silicone gel
- A two-component system of low viscosity liquids that blend easily
- 3:1 Mix Ratio (Part A: Part B)

NuSil Technology's MED12-6300 shall not be considered for use in human implantation for a period of greater than 29 days.

PROPERTIES

TYPICAL PROPERTIES	RESULT	METRIC CONV.	ASTM	NT-TM
Uncured:				
Appearance	Translucent	-	D2090	002
Specific Gravity	0.97	-	D792	003
Viscosity	1,000 cP	1,000 mPas	D1084, D2196	001
Cured: 5 hours @ 140°C (284°F)				
Penetration Universal Penetrometer, 12g shaft, 1" diameter foot, 15 sec	15 mm*	-	DC-CTM 813	011

*NuSil Technology can formulate the material to meet the customer's specific penetration requirements



INSTRUCTIONS FOR USE

Mixing

Thoroughly mix prior to use in a ratio of 3:1 Part A: Part B by weight or volume. Airless mixing, metering and dispensing is recommended for production processing.

Vacuum Deaeration

Removed air entrapped during mixing by common vacuum deaeration procedures, 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.

Substrate Consideration

Cures in contact with most materials. Exceptions include sulfur cured organic rubbers and chlorinated rubbers, some RTV silicones and unreacted residues of some curing agents.

Packaging

4 Pint Kit (1.82 kg)
4 Gallon Kit (14.77 kg)
20 Gallon Kit (74.1 kg)

Warranty

12 Months

FDA MASTER ACCESS FILE

A Master Access File for MED12-6300 has been filed with the U.S. Food and Drug Administration. Customers interested in authorization to reference the Master Access File must contact NuSil Technology.

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.



Polymer Systems *PST* Technology Limited



Silicone Sales & Services
UK - Ireland - Benelux

© 2014 - Polymer Systems Technology Limited™
Unit 2. Network 4. Cressex Business Park,
Lincoln Road, High Wycombe, Bucks. HP12 3RF

Phone +44 (0) 1494 446610
Web: <http://www.silicone-polymers.co.uk>
Email: sales@silicone-polymers.co.uk

