

MED-1353

Pressure sensitive silicone adhesive

DESCRIPTION

- One-part, non-curing, pressure sensitive adhesive
- Supplied in ethyl acetate

APPLICATION

- For temporarily adhering various substrates (including metals, glass, silicone, organic rubbers, and skin)
- Use for medical tapes and fasteners, external incontinence devices, transdermal skin patches, hair replacement adhesives, and special effects adhesives
- Non-irritating to skin

NuSil™ MED-1353 shall not be considered for use in human implantation for a period of greater than 29 days.

PROPERTIES

| Typical Properties | Average Result | Standard | NT-TM |
|---|-----------------------|-------------------------|-------|
| Uncured: | | | |
| Appearance | Translucent | ASTM D2090 | 002 |
| Viscosity | 3,500 cP (3,500 mPas) | ASTM D1084, D2196 | 001 |
| Non-Volatile Content | 68% | ASTM D2288 | 004 |
| Cured: 60 minutes at 85°C (185°F) | | | |
| 180° Peel Strength | 4.9 ppi (0.9 kN/m) | ASTM D1876 | 163 |
| Adhesive Tack | 0.6 lbs (2.8 N) | ASTM D2979 | 122 |
| Cured: 24 hours minimum at ambient temperature and humidity, 15 minutes at 150°C (302°F) | | | |
| Tissue Culture (Cytotoxicity Testing) | Pass | USP <87> ISO 10993-5 | 061 |

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

Prior to application, thoroughly clean substrates to obtain maximum adhesion. Apply liberally to both substrates and allow the solvent to evaporate before making contact.

Removal

The following solvents are suggested to remove adhesive: isopropyl alcohol, ethyl acetate, toluene, or hexane.

Caution

Allow solvent to evaporate before adhering or attaching adhesive-coated objects together. Trapped solvent will result in low adhesion properties and may cause temporary discomfort due to skin irritation caused by mechanical abrasion of the skin surface. Avoid contacts with eyes and mucous membrane.

BIOCOMPATIBILITY

MED-1353 passes testing for the following (after solvent evaporation): Cytotoxicity, In Vitro Hemolysis, Systemic Toxicity, Intracutaneous Study, and 1 week Muscle Implantation.

FDA MASTER FILE

A Master File for MED-1353 has been filed with the U.S. Food and Drug Administration. Customers interested in authorization to reference the Master File must [contact](#) NuSil Technology.

REACH COMPLIANCE

Please [contact](#) NuSil Technology's Regulatory Compliance department with any questions or for further assistance.

SPECIFICATIONS

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.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC (hereinafter "NuSil Technology") 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

Packaging

2 Ounce (45 g)
1 Pint (400 g)
1 Gallon (3.4 kg)
5 Gallon (17.0 kg)
1 Drum (180.0 kg)

Warranty

12 Months

warranty is that the product will meet NuSil Technology's then current specification. NuSil Technology specifically disclaims all other expressed or implied warranties, including, but not limited to, 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.

WARNINGS ABOUT PRODUCT SAFETY

NuSil Technology believes, to the best of its knowledge, that the information and data contained herein are accurate and reliable. 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, the user is advised to obtain available product safety information and take the necessary steps to ensure safety of use.

PATENT / INTELLECTUAL PROPERTY WARNING

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