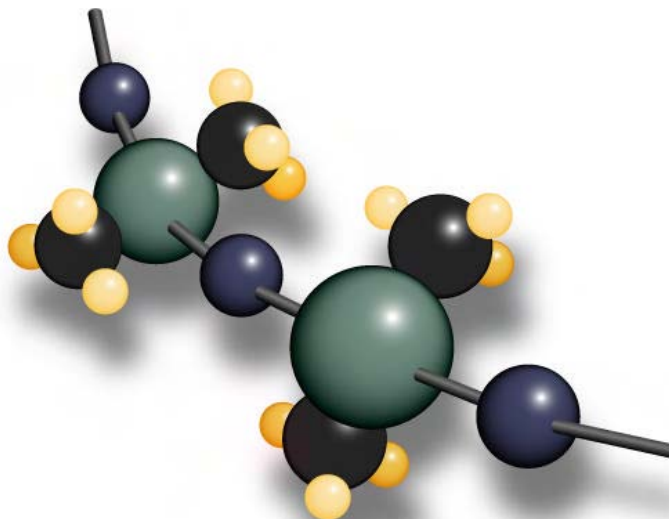


Polymer Systems Technology Limited

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An ISO 9001 Certified Company

MED1-1356

Pressure Sensitive Silicone Adhesive

Product Profile

Description

- One-part, non-curing, pressure sensitive adhesive

Applications

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

NuSil Technology LLC's MED1-1356 is a restricted product. It shall not be considered for use in human implantation for a period of greater than 29 days.

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Uncured:				
Appearance	Translucent	-	D2090	002
Viscosity	250 cP	250 mPas	D1084, D2196	001
Non-Volatile Content	50%	-	D2288	004
Cured: 90 minutes @ 150°C (302°F)				
Release Force of PSA	10 ppi	1.8 kN/m	D1876	085
PSA Blunt Probe Test	1.6 lbs.	0.7 kg	D2979	122

Biocompatibility

MED1-1356 passes testing for the following (after solvent evaporation): Cytotoxicity, In Vitro Hemolysis, Systemic Toxicity, Intracutaneous Study, and 1 week Muscle Implantation.

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.

MED1-1356 is supplied in flammable solvents. Consult the MSDS for safety precautions and handling before use.

Packaging

- 1 Pint (400 g)
- 1 Gallon (3.6 kg)
- 5 Gallon (18 kg)

Warranty

12 Months

Warnings About Product Safety

NuSil Technology LLC 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 LLC 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 LLC makes no warranty concerning fitness for any use or purpose. NuSil Technology LLC has completed no testing to establish safety of use in any medical application.

NuSil Technology LLC has tested this material only to determine if the product meets the applicable specifications. (Please contact NuSil Technology LLC for assistance and recommendations when establishing specifications.) When considering the use of NuSil Technology LLC products in a particular application, review the latest Material Safety Data Sheet and contact NuSil Technology LLC 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 LLC for assistance and recommendations in establishing particular specifications.

Patent Warning

NuSil Technology LLC disclaims any expressed or implied warranty against the infringement of any patent. NuSil Technology LLC 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 LLC's warranty period is 12 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology LLC provides a specific written warranty of fitness for a particular use, NuSil Technology LLC's sole warranty is that the product will meet NuSil Technology LLC's then current specification. NuSil Technology LLC specifically disclaims any other expressed or implied warranty, including warranties of merchantability and fitness for use. The exclusive remedy and NuSil Technology LLC'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 LLC expressly disclaims any liability for incidental or consequential damages.