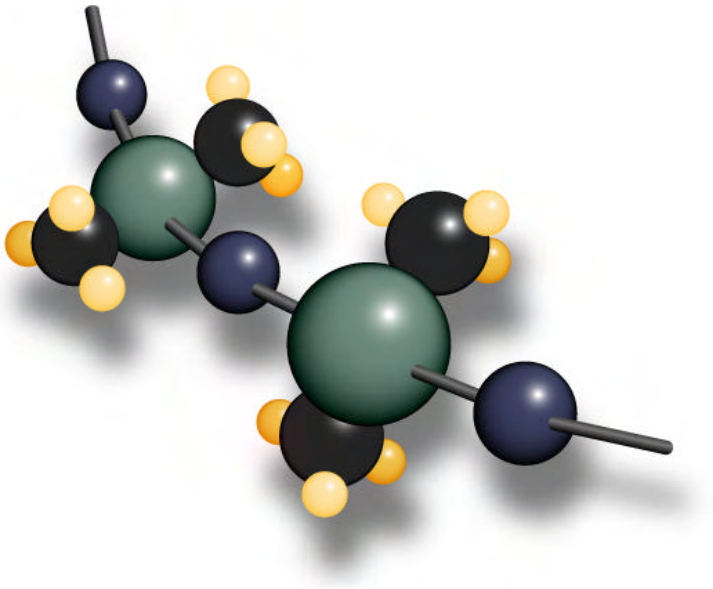
Polymer Systems Technology Limited

UK & Ireland Distributor

Unit 2. Network 4. Cressex Business Park,
Lincoln Road, High Wycombe, Bucks. HP12 3RF
Phone +44 (0) 1494 446610
Fax: +44 (0) 1494 528611
Web: http://www.siliconepolymers.co.uk
Email: sales@silicone-polymers.co.uk



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NuSil SILICONE TECHNOLOGY
Creative Partners in a Material World

NuSil Technology
1050 Cindy Lane • Carpinteria, CA 93013
805/684-8780 • 805/566-9905 Fax
www.nusil.com

An ISO 9001 Certified Company

CF13-2186

Low Viscosity, Fast-Cure, General Purpose Silicone Elastomer

Product Profile

Description

- A two-part, translucent silicone system
- Offers excellent physical and electrical properties in a low viscosity form
- Provided in mix and dispense applicators
- 1:1 Mix Ratio (Part A: Part B)

Applications

- For applications requiring a very rapid cure and easy application
- Useful for potting, encapsulating and replicating surfaces and devices
- Ideal for providing protection of electronic components and assemblies against shock vibration, moisture, ozone, dust and other contaminants due to its excellent physical, thermal and electrical properties
- For applications requiring an operating temperature range of -85 to 465°F (–65 to 240°C)

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Uncured:				
Appearance	Translucent	-	D2090	002
Work Time	3 minutes	-	-	008
Cured: 15 min @ 150°C (302°F)				
Specific Gravity	1.07	-	D792	003
Durometer, Type A	20	-	D2240	006
Tensile Strength	550 psi	3.8 Mpa	D412	007
Elongation	500%	-	D412	007
Dielectric Strength	500 volts/mil	19.7 kV/mm	D149	
Volume Resistivity	1×10^{15}	-	-	-

Instructions for Use

Mixing
Part A and Part B mix in a 1:1 ratio when using the static mix and dispense cartridge. Attach a disposable static mix tip to the cartridge and dispense through the static mix head directly on to the substrate.

Typical Cure Schedule
CF13-2186 typically cures to a tack-free condition within 10 minutes and achieves ultimate properties in 24 hours.

Substrate Consideration
Cures in contact with most materials common to electronic assemblies. Exceptions include butyl and chlorinated rubbers, some RTV silicones and unreacted residues of some curing agents. Units being encapsulated or potted should be clean and free of surface contaminants. Containers and dispensers being used should also be clean and dry. Cure inhibition can usually be prevented by washing all containers with clean solvent or volatilizing the contaminants by heating.

Note: Some bonding applications may require the use of a primer. NuSil Technology CF1-135 silicone primer is recommended.

Packaging

50 ml SxS Kit
2 Pint Kit (910 g)
2 Gallon Kit (7.28 kg)
10 Gallon Kit (36.4 kg)

Warranty

6 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 6 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.