

R7-3521-11

Fluorosilicone elastomer

DESCRIPTION

- Two-part, dark gray, 50 mole % fluorosilicone elastomer
- 1:1 Mix Ratio (Part A:B)
- Cures at room temperature or rapidly with heat

APPLICATION

- For applications requiring solvent resistance
- For molding parts such as O-rings, stoppers, and seals

PROPERTIES

Typical Properties	Average Result		Metric Conv.	Standard	NT-TM
	Part A	Part B			
Uncured:					
Appearance	Dark Gray	Translucent	-	ASTM D2090	002
Work Time	1 hour		-	-	008
Cured: 48 hrs minimum at ambient temperature and humidity					
Operating Temperature Range	-85 to 465°F		-65 to 240°C	-	-
Specific Gravity	1.27		-	ASTM D792	003
Durometer, Type A	30		-	ASTM D2240	006
Tensile Strength	500 psi		3.4 MPa	ASTM D412, D882	007
Elongation	260%		-	ASTM D412, D882	007
Tear Strength	35 pli		6.2 kN/m	ASTM D624	009

INSTRUCTIONS FOR USE

Mixing

Extract from the side-by-side kits through a static mix and dispense cartridge. Attach the disposable static mix tip to the cartridge and extrude the product directly onto the substrate.

Note: NuSil Technology recommends discarding the first few grams of extruded material.

Vacuum Deaeration

Remove air entrapped during mixing by common vacuum deaeration procedure, observing all applicable safety precautions. Slowly apply vacuum, up to 28 inches Hg, to a container rated for use and of volume at least four times that of material being deaerated. Hold vacuum until presence of air is no longer evident.

Substrate Consideration

Cures in contact with most materials. Exceptions include butyl and chlorinated rubbers, some RTV silicones containing organotin and/or amines, and unreacted residues of some curing agents.

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

Adjustable Cure Schedule

Product cures at room temperature and a wide range of elevated temperatures and cure times to accommodate different production needs. [Contact](#) NuSil Technology for details.

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 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 all other expressed or implied warranties, including, but not limited to, warranties of merchantability and fitness for use. The

Packaging

50 ml SxS Kit
200 ml SxS Kit
400 ml SxS Kit

Warranty

6 Months

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.

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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.

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