

R-2380

RTV silicone rubber foam

DESCRIPTION

- Two-part, RTV silicone foam
- Yields a medium density silicone rubber foam when catalyzed
- 100:6 Mix Ratio (Base: Catalyst)

APPLICATION

- Use in shock and vibration dampening situations requiring a lightweight, flexible foam with excellent thermal and electrical properties

PROPERTIES

Typical Properties	Average Result	Standard	NT-TM
Uncured:			
Appearance	Light Tan to Dark Brown	-	-
Non-Volatile Content	100%	ASTM D2288	004
Viscosity	3,600 cP (3,6 00 mPas)	ASTM D1084, D21986	001
Cured: 10 minutes at ambient temperature and humidity			
Density, non-confined	19 lb/ft ³ (0.31 g/cm ³)	ASTM D792, D3574	026

INSTRUCTIONS FOR USE

Mixing

Thoroughly mix base prior to catalyst addition ensuring uniformity in the cured foam. High speed agitation with a power mixer results in a lower density foam. Mix for 30 seconds in a formulation of 100 pph base to 6 pph catalyst. Foaming begins almost immediately after adding catalyst and continues for approximately 3 minutes. Handle material within about 10 minutes after pouring, allow 24 hours for optimum physical properties. Confining the foam results in a higher specific gravity. Use a suitable release agent (such as commercial mold release or an aqueous solution of soap or detergent) in molding applications.

Work Time

Extend working time or pot life by storing at a low temperature or reducing the catalyst level. Working time extends to approximately 15 minutes at -18°C (0°F).

Note: Some bonding applications may require the use of a primer. NuSil Technology SP-120 silicone primer is recommended.

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 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.

Packaging

1 Pint Kit (482 g.)
1 Gallon Kit (3.86 kg)
5 Gallon Kit (19.295 kg)

Warranty

6 Months

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

NuSil Technology disclaims any expressed or implied warranty against the infringement of any domestic or international patent/intellectual property right. NuSil Technology does not warrant the use or sale of the products described herein will not infringe the claims of any domestic or international patent/intellectual property right covering the product itself, its use in combination with other products, or its use in the operation of any process.