

R-2370

R-2380

RTV Silicone Rubber Foams



Creative Partners in a Material World

NuSil Technology

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An ISO 9001 Certified Company

Product Profile

Description

- Two-part, RTV silicone foams
- R-2370 yields a low density silicone rubber foam when catalyzed and R-2380 yields a medium density silicone rubber foam when catalyzed
- 100:6 Mix Ratio (Base:Catalyst)

Applications

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

Typical Properties	Result		Metric Conv.		ASTM	NT-TM
	R-2370	R-2380	R-2370	R-2380		
Uncured:						
Appearance	Light Tan to Dark Brown		-	-	-	-
Non-Volatile Content	100%	100%	-	-	D2288	004
Viscosity	4,700 cP	3,600 cP	4,700 mPas	3,600 mPas	D1084, D21986	001
Cured: 10 min @ ambient temp. and humidity						
Density, non-confined	10 lbs/ft ³	19 lbs/ft ³	0.16 g/cm ³	0.31 g/cm ³	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.

Warnings About Product Safety

NuSil Technology believes that the information and 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.

Packaging

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

Warranty

6 months

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 Sheets 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 for meeting 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

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