

R-2370

RTV silicone rubber foam

DESCRIPTION

- Two-part, RTV silicone foam
- Yields a low 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	4,700 cP (4,700 mPas)	ASTM D1084, D21986	001
Cured: 10 minutes at ambient temperature and humidity			
Density, non-confined	10 lb/ft ³ (0.16 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

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Packaging

1 Pint Kit (482 g.)
1 Gallon Kit (3.86 kg)
5 Gallon (18.2 kg) (Part A only)
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.

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Polymer Systems Technology Limited

Silicone Sales & Services UK - Ireland - Benelux

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Unit 2. Network 4. Cressex Business Park,
Lincoln Road, High Wycombe, Bucks. HP12 3RF

tel: +44 (0) 1494 446610

web: <https://www.silicone-polymers.com>

email: sales@silicone-polymers.co.uk

