

CF3-2350

Flame retardant, RTV silicone foam

DESCRIPTION

- Yields a medium density, flame retardant silicone foam when catalyzed
- Mix in a convenient 1:1 ratio with a black Part A and white Part B for easy identification and mixing
- Cures to an elastomeric foam
- Increased work time over other foams

APPLICATION

- As a flame resistant seal
- In shock and vibration dampening situations requiring a lightweight, flexible foam with excellent thermal insulation and radiation resistance
- Useful where stability at higher and lower temperatures is required

PROPERTIES

Typical Properties	Average Result		Metric Conv.		Standard	NT-TM
	Part A	Part B	Part A	Part B		
Uncured:						
Appearance	Black	Tan to off-White	-	-	ASTM D2090	002
Specific Gravity	1.15	1.05	-	-	-	-
Viscosity	90,000 cP	90,000cP	90,000 mPas	90,000 mPas	ASTM D1084, D2196	001
Cure Time	30 minutes		-	-	-	075
Cured: 45 min at 100°C (212°F)						
Color	Gray		-	-	-	-
Foam Density	25 lbs/ft ³		0.4 g/cm ³		ASTM D792, D3574	026

The test data shown for this material is the average value for typical properties. All of these properties may not be tested on a lot to lot basis and cannot be used to draft specifications. Please [contact](#) NuSil® for assistance and recommendations in establishing limits for product specifications.

INSTRUCTIONS FOR USE

Mixing

Thoroughly mix CF3-2350 prior to catalyst addition ensuring uniformity in the cured foam. Mix Part A with Part B for 30-60 seconds, introducing air while mixing. High-speed agitation with a power mixer results in a lower density foam. Quickly pour the mixed material into the application site. Handle material within about 30 minutes after pouring, allow 24 hours for optimum physical properties. Confining the foam results in a higher specific gravity.

Substrate Considerations

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

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

Caution:

The cure exhibits an exotherm of 20°C (36°F) and the evolution of hydrogen gas. Exercise appropriate caution, keep away from open flame and use only with adequate ventilation.

SPECIFICATIONS

Do not use the typical properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil for assistance and recommendations in establishing limits for product specifications.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC is 6 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil provides a specific written warranty of fitness for a particular use, NuSil's sole warranty is that the product will meet NuSil's then current specification. NuSil 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'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 expressly disclaims any liability for incidental or consequential damages.

Packaging

6 oz Tube (0.12 kg)
2 Pint Kit (0.78 kg)
10 Gallon Kit (29 kg)

Warranty

6 Months

WARNINGS ABOUT PRODUCT SAFETY

NuSil 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 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 makes no warranty concerning fitness for any use or purpose. NuSil has completed no testing to establish safety of use in any medical application.

NuSil has tested this material only to determine if the product meets the applicable specifications. (Please [contact](#) NuSil for assistance and recommendations when establishing specifications.) When considering the use of NuSil products in a particular application, review the latest Material Safety Data Sheet and [contact](#) NuSil 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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