

CV-9341

Thermally conductive, controlled volatility silicone grease

DESCRIPTION

- Thermally conductive, white silicone grease
- Excellent resistance to moisture, ozone and oxidation over a wide temperature range

Meets or exceeds the ASTM E 595 low outgas specifications outlined in NASA SP-R-0022A and European Space Agency PSS-014-702, with a TML of $\leq 1\%$ and CVCM of $\leq 0.1\%$

APPLICATION

- For applications requiring low outgassing and minimal volatile condensables under extreme operating conditions to avoid condensation in sensitive devices
- For high thermal conductivity, high and low temperature stability, and low bleed
- Apply to the base and mounting studs of transistors and other electrical components as a heat-sink seal

PROPERTIES

Typical Properties	Average Result	Standard	NT-TM
Appearance*	White	ASTM D2090	002
Specific Gravity*	2.30	ASTM D891, D1475	022
Dielectric Constant	4.2 at 1kHz	ASTM D150	-
Thermal Conductivity	0.70 W/mK (17×10^{-4} cal/(cm·sec·°C))	ASTM E1530	-
Collected Volatile Condensable Material (CVCM)*	0.00%	ASTM E595	072
Total Mass Loss (TML)*	0.03%	ASTM E595	072

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

Apply by hand, brushing, wiping, or with specially designed equipment. Thin with solvents for spraying and dipping.

ROHS AND REACH COMPLIANCE

Please [contact](#) NuSil's Regulatory Compliance department with any questions or for further assistance

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 12 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.

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

Packaging

6 oz Tube (0.168 kg)

Warranty

12 Months

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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