

# 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 ( $17 \times 10^{-4}$ 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

\*Properties tested on a lot-to-lot basis. 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.

## 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 Technology's Regulatory Compliance department with any questions or for further assistance

## 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 12 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.

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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

### Packaging

25 Gram  
6 oz Tube (177 mL)

### Warranty

12 Months

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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