

NuSil CV-9052

Silicone

NuSil Technology

Message:

Controlled Volatility (CV) Silicone Materials

Silicone's ability to remain elastic at low temperatures and resistant to breakdown at high temperatures offer excellent utility in extraterrestrial environments where materials are repeatedly exposed to extreme temperatures. NuSil's Controlled Volatility (CV) and Ultra Low Outgassing TM (SCV) silicone products are used by leading space programs to provide the much-needed resilient protection they require against contamination and material degradation.

Benefits of Silicone Materials for Space

Broad Operating Temperature

Compensation for CTE Mismatch

Protection Against Atomic Oxygen

Optically Clear Formulations

Flight Legacy

General Purpose: Dampening Fluids, Lubricants & Greases

Comments: Volume Resistivity 1×10^{15} ohm-cm, Thermally conductive

| General Information | | |
|---------------------|------------------------|-------------------|
| Features | Low to No Outgassing | |
| | Thermally Conductive | |
| Uses | Aerospace Applications | |
| Agency Ratings | ASTM E 595 | |
| | NASA SP-R-0022A | |
| Uncured Properties | Nominal Value | Unit |
| Color | Grey | |
| Density | 1.10 | g/cm ³ |
| Cured Properties | Nominal Value | Unit |
| Volume Resistivity | 1.0E+15 | ohms · cm |

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