NuSil CV-1500

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
Comments: 3.0 ohm-cm, Primed Lap Shear 325 psi (2.2 MPa), 0.32 W/m-K

General Information	
Features	Electrically Conductive Low to No Outgassing
Uses	Aerospace Applications Electrical/Electronic Applications
Agency Ratings	ASTM E 595 NASA SP-R-0022A

Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	4.4E-4	cm/cm/°C	
Thermal Conductivity	0.32	W/m/K	ASTM E1530
Thermoset	**Nominal Value**	**Unit**	
Tack Free Time	10.0	min	
Cure System	Oxime		
Uncured Properties	**Nominal Value**	**Unit**	
Color	Black		
Density	1.25	g/cm³	
Curing Time (23°C)	1.7E+2	hr	
Cured Properties	**Nominal Value**	**Unit**	
Shore Hardness (Shore A)	80		
Lap Shear Strength [1]	2.24	MPa	
Tensile Strength	4.48	MPa	
Tensile Elongation at Break	20	%	

NOTE	
1.	Primed with SP-120

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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