NuSil CV1-2964

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: 1.0 W /m-K, Primed Lap Shear 120 psi (0.8 MPa)

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

Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	1.0	W/m/K	ASTM E1530
Thermoset	**Nominal Value**	**Unit**	
Thermoset Components			
Part A	Mix Ratio by Weight: 1.0		
Part B	Mix Ratio by Weight: 1.0		
Tack Free Time	13.0	hr	
Cure System	Platinum		
Uncured Properties	**Nominal Value**	**Unit**	
Color	White		
Density	2.33	g/cm^3	
Viscosity	52	Pa·s	
Curing Time (150°C)	0.25	hr	
Cured Properties	**Nominal Value**	**Unit**	
Shore Hardness (Shore A)	65		
Lap Shear Strength [1]	0.827	MPa	
Tensile Strength	1.24	MPa	
Tensile Elongation at Break	50	%	
NOTE			

1.	Primed with SP-270

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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