NuSil CV1-2960

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: 1.1 W/m-K

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

Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	1.1	W/m/K	ASTM E1530
Thermoset	**Nominal Value**	**Unit**	
Thermoset Components			
Part A	Mix Ratio by Weight: 10		
Part B	Mix Ratio by Weight: 1.0		
Tack Free Time	4.0	hr	
Cure System	Platinum		
Uncured Properties	**Nominal Value**	**Unit**	
Color	White		
Density	1.45	g/cm³	
Viscosity [1]	900	Pa·s	
Curing Time (65°C)	4.0	hr	
Pot Life	120	min	
Cured Properties	**Nominal Value**	**Unit**	
Shore Hardness (Shore A)	75		
Tensile Strength	1.72	MPa	

Tensile Elongation at Break	60	%
Tear Strength	9.63	kN/m

NOTE	
1.	Part A

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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Phone: +86 13424755533

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