NuSil CV2-2946

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: 0.6 W/m-K, Thin Bond Line

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	0.60	W/m/K	ASTM E1530
Thermoset	**Nominal Value**	**Unit**	
Thermoset Components			
Part A	Mix Ratio by Weight: 20		
Part B	Mix Ratio by Weight: 1.0		
Additional Information	**Nominal Value**	**Unit**	
Cure System	Platinum		
Extrusion Rate	140	g/min	
Uncured Properties	**Nominal Value**	**Unit**	
Color	White		
Curing Time (150°C)	0.50	hr	
Pot Life	180	min	
Cured Properties	**Nominal Value**	**Unit**	
Shore Hardness (Shore A)	55		
Tensile Strength	2.76	MPa	
Tensile Elongation at Break	230	%	

Tear Strength	9.63	kN/m

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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