

NuSil CV-2510

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: Low/High Temperature, Flowable

General Information	
Features	Good Flow
	Low to No Outgassing
Uses	Adhesives
	Aerospace Applications
	Sealants
Agency Ratings	ASTM E 595
	NASA SP-R-0022A

Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 0.50	
Additional Information	Nominal Value	Unit
Cure System	Alkoxy	
Uncured Properties	Nominal Value	Unit
Color	White	
Density	1.19	g/cm ³
Viscosity	45	Pa · s
Curing Time (23°C)	1.7E+2	hr
Pot Life	240	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	45	
Tensile Strength	4.14	MPa
Tensile Elongation at Break	200	%

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