

NuSil CV4-2500

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 Durometer, Low Viscosity, Optically Clear

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

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	15.0	hr
Cure System	Platinum	
Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Viscosity	1.5	Pa · s
Curing Time (65°C)	1.0	hr
Pot Life	120	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	25	

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