NuSil CV3-2500

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 Viscosity, Potting & Encapsulant, Optically Clear

General Information	
Features	Low to No Outgassing Low Viscosity
Uses	Adhesives Aerospace Applications Sealants
Agency Ratings	ASTM E 595 NASA SP-R-0022A
Processing Method	Encapsulating Potting

Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 10	
Part B	Mix Ratio by Weight: 1.0	
Tack Free Time	6.0	hr
Cure System	Platinum	
Uncured Properties	**Nominal Value**	**Unit**
Color	Clear/Transparent	
Density	1.02	g/cm³
Viscosity	3.0	Pa·s
Curing Time (150°C)	0.50	hr
Pot Life	180	min
Cured Properties	**Nominal Value**	**Unit**

Shore Hardness (Shore A)	40	
Tensile Strength	6.55	MPa
Tensile Elongation at Break	100	%

Recommended distributors for this material

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