NuSil CV-2646

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: Electrically Conductive, 0.007 ohm-cm

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

Physical	Nominal Value	Unit
Spiral Flow	2.29	cm
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	Tan	
Density	3.85	g/cm^3
Curing Time (23°C)	2.4E+2	hr
Pot Life	210	min
Cured Properties	**Nominal Value**	**Unit**
Shore Hardness (Shore A)	80	
Tensile Strength	2.76	MPa
Tensile Elongation at Break	90	%
Tear Strength	10.5	kN/m

Recommended distributors for this material

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