

# NuSil CV-1144-0

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: 60% Solids, Atomic Oxygen Protective Overcoat

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

Physical	Nominal Value	Unit
Solids Content	60	%
Tack Free Time	50.0	min
Cure System	Oxime	
Uncured Properties	Nominal Value	Unit
Color	Translucent	
Density	1.00	g/cm <sup>3</sup>
Viscosity	0.24	Pa · s
Curing Time (23°C)	1.7E+2	hr

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