

# NuSil CV2-1161

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: 35% Solids, 2.5 ppi Release Force

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

Physical	Nominal Value	Unit
Solids Content	35	%
Cure System	Peroxide	
Thermoset	Nominal Value	Unit

Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 1.0	

Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Viscosity		
-- <sup>1</sup>	8.5	Pa · s
-- <sup>2</sup>	16	Pa · s
Curing Time <sup>3</sup>	2.0	hr

NOTE	
1.	Part B
2.	Part A
3.	1 h / 60 + 1 h / 175

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#### Recommended distributors for this material

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