

Ultra Low Outgassing™ SCV-2596

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, 2.5 ohm-cm , Carbon Fiber Filled

General Information		
Filler / Reinforcement	Carbon Fiber	
Features	Electrically Conductive	
	Low to No Outgassing	
Uses	Aerospace Applications	
	Electrical/Electronic Applications	
Agency Ratings	ASTM E 595	
	NASA SP-R-0022A	
Thermal	Nominal Value	Unit
CLTE - Flow	5.8E-4	cm/cm/°C
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 10	
Part B	Mix Ratio by Weight: 1.0	
Additional Information	Nominal Value	Unit
Cure System	Platinum	
Uncured Properties	Nominal Value	Unit
Color	Black	
Density	1.19	g/cm³
Curing Time (150°C)	0.50	hr
Pot Life	120	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	75	
Tensile Strength	3.28	MPa

Tensile Elongation at Break	90	%
-----------------------------	----	---

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

