

# NuSil CF2-3521

Silicone

NuSil Technology

Message:

The Aircraft Industry has used silicone adhesives and coatings for over five decades. Silicone's ability to maintain its elasticity and low modulus over a broad temperature range provides excellent utility in extreme environments. Recent advances in material technology provide more opportunities for the Aircraft engineer in choosing the best material for an intended application. Examples of NuSil's capabilities in custom silicones for Aircraft are demonstrated in the following sections.

- Fuel Resistance
- Static Dissipation and Electrically Conductive Silicones
- Ice-Phobic Coatings
- General Purpose: Adhesives and Sealants
- Comment: Fast Cure

General Information	
Features	Electrically Conductive
	Fast Cure
	Fuel Resistant

Uses	Adhesives
	Aircraft Applications
	Sealants

Thermoset	Nominal Value	Unit
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Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	
Part B	Mix Ratio by Weight: 1.0	

Additional Information	Nominal Value	Unit
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Cure System	Platinum	
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Operating Temperature	-50 to 200	°C
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Uncured Properties	Nominal Value	Unit
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Color	Translucent	
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Density	1.30	g/cm <sup>3</sup>
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Curing Time (150°C)	0.50	hr
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Cured Properties	Nominal Value	Unit
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Shore Hardness (Shore A)	35	
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Tensile Strength	5.17	MPa
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Tensile Elongation at Break	330	%
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