NuSil CF2-3521-2

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: Fuel Resistance

General Information	
Features	Electrically Conductive
	Fuel Resistant
Uses	Adhesives
	Aircraft Applications
	Electrical/Electronic Applications
	Sealants

Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Additional Information	**Nominal Value**	**Unit**
Cure System	Platinum	
Operating Temperature	-50 to 200	°C
Uncured Properties	**Nominal Value**	**Unit**
Color	Black	
Density	1.28	g/cm³
Curing Time (23°C)	48	hr
Pot Life	60	min
Cured Properties	**Nominal Value**	**Unit**
Shore Hardness (Shore A)	35	
Lap Shear Strength [1]	2.41	MPa
Tensile Strength	4.14	MPa
Tensile Elongation at Break	270	%

NOTE	
1.	Primed with CF1-135

Recommended distributors for this material

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