NuSil R-2634

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
Comment: 0.001 ohm-cm , Low / High Temperature

General Information	
Features	Electrically Conductive Fuel Resistant High Heat Resistance
Uses	Aircraft Applications Electrical/Electronic Applications

Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 0.50	
Additional Information	**Nominal Value**	**Unit**
Cure System	Tin	
Extrusion Rate	90.0	g/min
Operating Temperature	-115 to 200	°C
Uncured Properties	**Nominal Value**	**Unit**
Color	Tan	
Density	3.35	g/cm³
Curing Time (23°C)	1.7E+2	hr
Pot Life	180	min
Cured Properties	**Nominal Value**	**Unit**
Shore Hardness (Shore A)	80	
Lap Shear Strength	1.34	MPa
Tensile Strength	1.72	MPa
Tensile Elongation at Break	90	%
Tear Strength	8.76	kN/m

Recommended distributors for this material

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