

NuSil R-3975

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: Ice Phobic

Comment: Fuel Resistant, High Temperature

General Information		
Features	Electrically Conductive	
	Fuel Resistant	
	Medium Heat Resistance	
Uses	Aircraft Applications	
	Coating Applications	
Additional Information	Nominal Value	Unit
Cure System	Acetoxxy	
Operating Temperature	-50 to 200	°C
Uncured Properties	Nominal Value	Unit
Color	Translucent	
Density	1.29	g/cm ³
Curing Time (23°C)	72	hr
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	25	
Tensile Strength	2.93	MPa
Tensile Elongation at Break	400	%
Tear Strength	6.13	kN/m

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