

NuSil FS-3781

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: High Consistency Rubber

Comment: Extrusion or Compression Molding, Precatalyzed

General Information	
Features	Electrically Conductive Fuel Resistant
Uses	Aircraft Applications
Processing Method	Compression Molding Extrusion

Additional Information	Nominal Value	Unit
Cure System	Peroxide	
Operating Temperature	-50 to 200	°C
Uncured Properties	Nominal Value	Unit
Color	Translucent	
Density	1.33	g/cm ³
Curing Time (120°C)	0.50	hr
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	30	
Tensile Strength	5.86	MPa
Tensile Elongation at Break	300	%
Tear Strength	7.01	kN/m

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