NuSil R3-1075

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: Coatings
Comment: Dispersion Coating / Conformal, 60% Solids

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

Physical	Nominal Value	Unit
Solids Content	60	%
Tack Free Time	1.3	hr
Cure System	Oxime	
Operating Temperature	-50 to 200	°C
Uncured Properties	**Nominal Value**	**Unit**
Color	Translucent	
Density	1.06	g/cm³
Viscosity	3.3	Pa·s
Curing Time (23°C)	1.7E+2	hr
Cured Properties	**Nominal Value**	**Unit**
Shore Hardness (Shore A)	40	
Tensile Strength	4.83	MPa
Tensile Elongation at Break	350	%
Tear Strength	7.01	kN/m
Electric Strength	49	kV/mm

Recommended distributors for this material

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