NuSil R-2200-6

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: Mold Making
Comment: Casting, Creating Molds

General Information		
Features	Electrically Conductive Fuel Resistant	
Uses	Aircraft Applications Molds/Dies/Tools	
Processing Method	Casting	
Thermoset	**Nominal Value**	**Unit**
Thermoset Components		
Part A	Mix Ratio by Weight: 10	
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	Green	
Density	1.23	g/cm³
Viscosity		
-- [1]	3.8	Pa·s
-- [2]	140	Pa·s
Curing Time (150°C)	0.50	hr
Pot Life	120	min
Cured Properties	**Nominal Value**	**Unit**
Shore Hardness (Shore A)	65	
Tensile Strength	5.86	MPa
Tensile Elongation at Break	90	%
Tear Strength	16.6	kN/m
NOTE		

1.	Part B
2.	Part A

Recommended distributors for this material

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