

NuSil CF19-2615

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: Solventless

| General Information | | |
|-----------------------------|------------------------------------|-------|
| Features | Electrically Conductive | |
| | Fuel Resistant | |
| Uses | Aircraft Applications | |
| | Coating Applications | |
| | Electrical/Electronic Applications | |
| Thermoset | Nominal Value | Unit |
| Thermoset Components | | |
| Part A | Mix Ratio by Weight: 1.0 | |
| 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 | Translucent | |
| Viscosity | | |
| -- 1 | 0.80 | Pa·s |
| -- 2 | 1.3 | Pa·s |
| Curing Time (150°C) | 0.50 | hr |
| Pot Life | 240 | min |
| Cured Properties | Nominal Value | Unit |
| Shore Hardness (Shore A) | 30 | |
| Tensile Strength | 0.827 | MPa |
| Tensile Elongation at Break | 100 | % |
| Electric Strength | 20 | kV/mm |
| NOTE | | |
| 1. | Part B | |

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