

NuSil FS-3602

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: Fluids

Comment: Fluid, Volume Resistivity 1×10^{15} ohms-cm

| General Information | | |
|------------------------|-------------------------|-----------|
| Features | Electrically Conductive | |
| | Fuel Resistant | |
| Uses | Aircraft Applications | |
| Forms | Liquid | |
| Additional Information | Nominal Value | Unit |
| Operating Temperature | -50 to 200 | °C |
| Uncured Properties | Nominal Value | Unit |
| Color | Translucent | |
| Viscosity | 0.35 to 13 | Pa · s |
| Cured Properties | Nominal Value | Unit |
| Electric Strength | 16 | kV/mm |
| Volume Resistivity | 1.0×10^{15} | ohms · cm |

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