

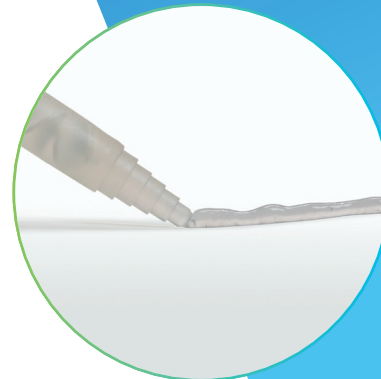
Fuel- and solvent-resistant silicones for aircraft

Fluorosilicones resist degradation when exposed to hydrocarbons and temperature extremes

Materials used on an aircraft are often exposed to fuel and common solvents which cause them to degrade, leading to additional maintenance, unplanned downtime and even catastrophic failure. NuSil® fluorosilicones are specifically formulated to resist degradation or mechanical failure caused by hydrocarbons. In addition, they remain flexible at extremely low temperatures and resist breakdown at very high temperatures.

SETTING THE STANDARD WITH PROVEN FLUROSILICONES

- **Superior performance:**
Excellent stability and resistance to form change when compared with other materials, demonstrated by thermogravimetric analysis (TGA) as well as ASTM D2288 testing.
- **Broad product portfolio:**
Choose from multiple formulations of custom or standard fluorosilicones, including adhesives, sealants, coatings, sheeting, molding materials, gels and foams.
- **Strong industry commitment:**
With a flight heritage that spans over 40 years, NuSil is AS 9100 and ISO 9001 certified as well as compliant with applicable requirements, including National Institute of Standards and Technology (NIST) 800-171 and Defense Federal Acquisition Regulation Supplement (DFARS) clause 282.204-7012.



FLUROSILICONE SELECTION: UNDERSTANDING THE OPTIONS

Fluorosilicones are available in many forms and cure chemistries. This versatility makes it ideal for diverse applications, including O-rings, gaskets, seals, molded parts, coatings, gap fillers, adhesives, sealants, potting and encapsulation. NuSil silicones are manufactured in the U.S. and include a line of standard products as well as the ability to customize to specific requirements.

Custom options include:

- Addition of functional fillers
- Adjustable cure times
- Processing requirements
- Color matching to AMS-STD-595 or PMS

CONSIDERATIONS WHEN SELECTING A FLUROSILICONE



Contact NuSil® to Get Started

Choosing a proven fluorosilicone that resists degradation is critical for success. Our team is ready with expert insights, technical expertise and support to design the right solution to fully meet your needs.

To learn more, visit
www.avantorsciences.com/nusil/fluorosilicones or
 contact NuSil experts today at silicone@nusil.com
 or +1 (805) 684-8780.

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