

## Fluorosilicone o-rings

O-rings made of Fluorosilicone are generally used in chemical applications. When silicone o-rings are preferred for their softness (generally a 50 durometer) but won't hold up to chemicals, fluorosilicone is often the answer.

### Description:

Fluorosilicone is the common name for fluorovinylmethyl silicone rubber. Fluorosilicones combine the best properties of fluorocarbons and silicones. Fluorosilicones resist solvents, fuel, and oil (similar to fluorocarbons). They also have high and low temperature stability (as with silicones). Fluorosilicones are resilient, with low compression set characteristics. Though widely used in aerospace fuel systems and auto fuel emission controls, fluorosilicones are really only good as static seals. High friction tendencies, limited strength, and poor abrasion resistance disqualify them from dynamic uses.

### Properties:

Poor Wear Resistance, Moderate Comp. Set Resistance, Moderate Short-Term Resilience, Poor Permeation Resistance

### Temperature Range:

-80°F to 450°F

### Recommended For:

Jet Fuel, Dry Heat, Wide Temperature Range, Some Petroleum Oils, Chlorinated Solvents

### **NOT** recommended For:

Ketones (MEK), Phosphate Esters, Some Acids, Auto / Aircraft Brake Fluids, Amines (Ammonia)

