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## Viton® F - 70% Fluorine Chemical Resistance - BEST

### General Characteristics

The "F" family of Viton® was designed for today's oxygenated fuels, modern lubricants, and blended chemicals. As new chemicals and fuels are developed, new technology in Viton® has led to the development of the Viton® F family of sealing products.

**Chemical Resistance:** Viton® F offers superior fluid resistance and very low permeation in very aggressive environments. Viton® F offers excellent resistance to fluids that Viton® A and B types cannot adequately resist. Viton® F types are highly resistant to oxygenated fuels containing (MeOH, EtOH, MTBE), engine lubricants (SE-SF and SG-SH grades), aromatic hydrocarbon process fluids, chemicals and concentrated mineral acids.

### General Properties

<b>Durometer:</b>	ASTM D1414, IRHD: 75 +/- 5
<b>Elongation:</b>	ASTM D412 minimum: 175%
<b>Compression Set:</b>	ASTM D395B plied: 45% maximum Discs 22hr @ 200°C (392°F)
<b>Tensile Strength:</b>	ASTM D412 minimum: 2000psi
<b>Temperature Range:</b>	-18°C to 220°C (450°F)
<b>Fluid Resistance:</b>	ASTM D471 immersed: 20% maximum volume increase in Toluene at 20°C (68°F) for 70 hours.

### Products made with Viton® F

- Sheeting for Gaskets
- Molded Parts
- Cloth Inserted Sheeting
- Caulk and Coating
- Extrusions

## Seal & Design offers three types of Viton® F

- **TH-1210-FBC:** Viton® F (with a Bisphenol cure). Offers the best fluid resistance at a very affordable price.
- **TH-7070-FGC:** Viton® F GF Peroxide curable offering resistance to Aquenous Fluids: Water, Steam, and Mineral Acids. (H2204, HN03, HCL, ect.) \*Compliant with with DuPont's™ gasket code U2A, S26/G26
- **TH501-GFLC:** Viton® GFLT Peroxide Curable offering exceptional chemical resistance and maintains flexibility in low temperature applications. -40°C (-40°F)