



# H.S. WHITE CORPORATION

Marine and Industrial Specialties

1350 S. Dixie Highway East • Pompano Beach, FL 33060  
Pompano (954) 785-6760 Miami (305) 940-2700 W.P.B. (561) 832-4144  
Fax (954) 785-8247 Website: [www.HSWHITE.com](http://www.HSWHITE.com)

## Viton®

Viton® is commonly called Fluoro-elastomer/Viton (FPM) and is well known for its excellent (400°F/200°C) heat resistance.

Viton® is perfect for gasket cutting, flat seals, door seals and industrial applications. This is a high tech elastomer designed for extreme heat, oil and chemical resistance. Viton® resists aliphatic aromatic and halogenated hydrocarbons, concentrated acids, alkalis, animal and vegetable oils.

Viton® offers excellent resistance to aggressive fuels and chemicals and has excellent mechanical properties. This material is also resistant to abrasion and cuts. With a broad spectrum of applications in the automotive, chemical processing and industrial markets, Viton® satisfies many performance specifications. Suitable applications for Viton® include:

- High temperature gaskets
- O-rings
- Lathe cut gaskets and seals

### Viton® Restrictions:

Viton® is not generally resistant to ketones, low molecular weight esters (such as ethyl acetate), or nitro containing compounds. Products are not usually serviceable below 15°F.

### Viton® Specifications:

**Temperature Limit: 350°F (constant); 400°F (intermittent)**

**Durometer Hardness: 72 Shore A**

**Elongation: 286%**

**Finish: Matte, Press Cured**

**Pressure Limit: 800 lbs. @400°F**

**Tensile Strength: 1285 psi**

**Specific Gravity: 1.88**

Viton® is a registered trademark



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## Viton®B 68% Flourine

## Better-Chemical Resistance

### Acid Resistant Viton®

Viton®B has better resistance and retains flexibility better after dry heat aging than Viton®A. It is recommended for applications requiring maximum retention of elastic properties combined with good mechanical properties. Viton®B is specified by the FSA to resist sulfur dioxide in power generating factory systems.

### Chemical Resistance

Viton®B offers superior resistance to both diluted and concentrated aggressive acids. Thermodyn's exclusive B compound TH-66070-B\* made of Viton®B is resistant to various mineral.

**TENSILE: 1400 PSI**

**ELONGATION: 175 MIN**

**TEMPERATURE: -18°C to 220°C (450°F)**

Hardness Durometer	ASTM D1414, IRHD:75±5
Compression Set	ASTM D395B plied: 30% maximum Discs. 22hr. @ 220°C (392°F)
Fluid Resistance	ASTM D471 immersed: 20% maximum volume swell in Toluene at 20°C (68°F) for 70 hours