



H.S. White Corporation

Your Marine & Industrial Specialists

1350 South Dixie Highway East | Pompano Beach, FL 33060

800-327-8575 | sales@hswhite.com | www.HSWhite.com

Pompano Beach: 954-785-6760 | Houston: 713-589-8591

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



H.S. White Corporation

Your Marine & Industrial Specialists

1350 South Dixie Highway East | Pompano Beach, FL 33060
800-327-8575 | sales@hswhite.com | www.HSWhite.com
Pompano Beach: 954-785-6760 | Houston: 713-589-8591

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