



# SAM ENGINEERS

Web: <http://www.samseals.com> : <http://www.rubbersealsandgaskets.com> : <http://www.samrubber.com>  
Email: [sales@samseals.com](mailto:sales@samseals.com) : [samengineers.sagar@gmail.com](mailto:samengineers.sagar@gmail.com) Cell No: +91 97694 82 432 : +91 98200 82 432

## General Properties

**Chemical Resistance:** Viton® Extreme offers more universal chemical resistance than either standard grades of Viton®. or TFE/P Elastomers. In addition, Viton Extreme offers similar base resistance to VTR 7430.

Viton® Extreme was originally developed to resist Sour (H<sub>2</sub>S) petroleum environments that are commonly found in the oil field. However, it has become widely used in the Chemical Processing, Petroleum Refining, Semiconductor and Chemical Transportation industry.

Today's blended fuels with additives and oxygenates such as MTBE, TAME, ETBE and alcohols offer difficult sealing solutions that Viton® Extreme can solve without the cost of high performance perfluoroelastomers (Kalrez).

## Typical Properties

|                           |                          |
|---------------------------|--------------------------|
| <b>Durometer:</b>         | 60 to 90 Shore A         |
| <b>Color:</b>             | Black, White             |
| <b>Temperature Range:</b> | -20°C to + 204°C (400°F) |

## Products Available

- Sheeting for Gaskets
- Molded Parts
- Diaphragms
- O-Rings

## Ideal for Thousands of Applications

Thanks to their superior performance and cost-effectiveness, seals made from Viton® Extreme are an excellent choice for such industries as:

- **Analytical and process instruments**
- **Chemical process industries**
  - Agricultural chemicals and fertilizers
  - Pharmaceuticals
  - Polymer production
  - Inorganic chemicals
  - Organic chemicals
- **Chemical transport**
- **Oil and Gas recovery**
- **Paint and coating operations**

Regd. Off: A-603, Blue Regency, Off Link Road, Mahavir Nagar, Kandivali (W), Mumbai 400 067, Maharashtra, India.

Unit No.2, Jas Industrial Estate, B. P. Road, Opp. Kapol Bank, Goddev Naka, Bhayandar (E), Thane 401-105, Maharashtra, India.

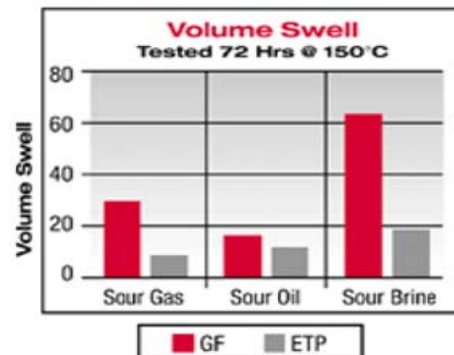
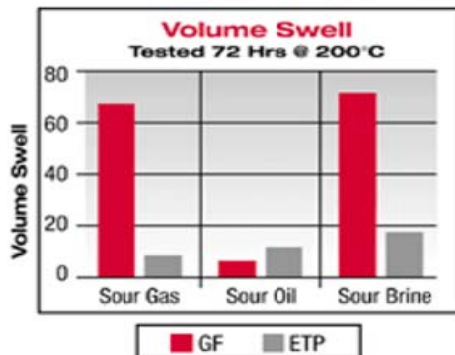


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## Chemical Compatibility of Viton Extreme Parts

|  |  |
|--|--|
| <b>Inorganic Acids</b>                 | sulfuric, nitric, hydrochloric, etc.                                     |
| <b>Organic Acids</b>                   | acetic, adipic, formic, etc.   |
| <b>Inorganic Base</b>                  | sodium, hydroxide, ammonia, etc.   |
| <b>Organic Bases</b>                   | ethylene diamine, diethanolamine, etc.                                   |
| <b>Alcohols</b>                        | ethylene glycol, phenol, methanol, etc.                                  |
| <b>Aldehydes</b>                       | furfural, formaldehyde, butyraldehyde                                    |
| <b>Ketones</b>                         | acetone, methyl ethyl ketone (MEK), methyl Isobutyl ketone (MIBK), etc.  |
| <b>Solvents</b>                        | methylene chloride, dimethyl formamide, n-methyl pyrrolidone (NMP), etc. |
| <b>Ethers</b>                          | check chemical compatibility   |
| <b>Esters</b>                          | medium to high molecular weight only, etc.                               |
| <b>Aromatics</b>                       | benzene, xylene, styrene, toluene, etc.                                  |
| <b>Heat Transfer Fluids</b>            | Dowtherm+A. Therminol+, etc.   |
| <b>Synthetic Oils &amp; Lubricants</b> | Skydrol++  |
| <b>Organic Intermediates</b>           | dimethyl terephthalate, ethylene dichloride, adiponitrile, etc.          |



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