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Viton® Extreme O-Rings

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 (H₂S) 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

Durometer:	60 to 90 Shore A
Color:	Black, White
Temperature Range:	-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**

Chemical Compatibility of Vition Extreme Parts

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

