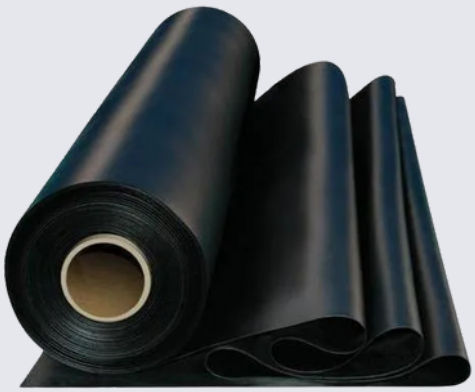
MSDS Report

Chemical Composition: VITON Rubber Product
Product name: VITON Rubber Sheet



MATERIAL SAFETY DATA SHEET VITON RUBBER 48"X33' ASTM D2240, D792, D412

Viton® rubber sheet is a premium-grade fluoroelastomer renowned for its exceptional resistance to hydrocarbons, oils, chemicals, high temperatures, and harsh operating conditions. Designed for critical sealing applications, Viton® offers unmatched performance in aggressive environments, making it the material of choice across industries such as oil and gas, aviation, automotive, aerospace, and chemical processing.

With excellent resistance to strong acids, alkalis, fuels, and high heat, Viton® maintains its mechanical integrity and sealing properties even under extreme thermal and chemical stress. Its outstanding compression set resistance ensures long-term reliability in static and dynamic sealing applications, while its UV, ozone, and flame resistance make it suitable for outdoor and high-risk applications.

Dimensions:
Thickness: 1/16", 1/8", 1/4"
Width: 48"
Length: 33'

Key Features:
Excellent chemical resistance to fuels, oils, acids, and aggressive solvents
Outstanding heat resistance, performing reliably at elevated temperatures
Superior compression set resistance, especially in high-temperature environments
Excellent sealing capability in aggressive and corrosive conditions
Excellent resistance to UV, ozone, and weathering
Low gas permeability and resistance to liquid permeation in severe environments
Good flame resistance for high-risk applications

1. COMPOSITION/INFORMATION ON INGREDIENTS

Major components:	VITON Rubber
Minor components:	Reinforcing agent
	Activator
	Light calcium
	Softener
	Accelerators/Activators(＜1%)
	Antioxidant/Stabilizers(＜1%)

Appearance: Flexible Rubber Black Rubber
Dermal(acute): For prolonged handling, use protective gloves and clothing. Wash hands with mild soap after handling. Avoid contact with eyes. If eyes are irritated flush with water for ten minutes. Obtain medical attention. Avoid ingestion. If ingested seek medical attention.
Inhalation (acute): Excessive inhalation can cause headache, nausea, irritation. Handle the product in minimum quantity and work in well-ventilated area.

2. TECHNICAL STANDARDS

ASTM D2240 – **Shore A Hardness 70 +- 5.** (40 to 80 Shore A. Shore A is the most common scale used for rubber and elastomers.)
ASTM D792 – **Density (Specific Gravity) 2 G/CM3.** (1.2 to 1.5 g/cm³. This is a measure of the material's density relative to water.)
ASTM D412 – **Tensile Strength 5.3 MPA and Elongation 200%.** (TS- 750 to 1,000+ psi. This measures the material's ultimate resistance to rupture under tension. UE- 250% to 500%. This is the percentage that the material can be stretched from its original length before breaking.)

3. FIRE FIGHTING MEASURES

Hazardous combustion: Stable under normal situation. Flammable / Combustible under high heat and flame. Can generate toxic and combustible fumes, - carbon monoxide, chlorinated and hydrocarbon compounds, and soot.
Firefighting procedures: Use full protective equipment and SCBA, filter masks, etc.
Means of extinction: High expansion foam, water fog and spray.