

## VITON® A (FKM) RUBBER SHEET

### Product Overview

Viton® A Rubber Sheet, also referred to as FKM rubber, is a high-performance Fluoroelastomer designed for applications requiring excellent resistance to high temperatures, aggressive chemicals, oils, fuels, and hydrocarbons. Viton® A offers superior chemical stability and maintains its mechanical properties under harsh operating conditions.

Due to its outstanding resistance to heat, oxidation, and a wide range of chemicals, Black Viton® A Rubber Sheet is commonly specified for demanding industrial environments where conventional elastomers are unsuitable.



### Material Specification

- **Polymer:** Fluoroelastomer (FKM – Viton® A type)
- **Colour:** Black
- **Surface Finish:** Smooth on both sides
- **Temperature Range:** -25 °C to +200 °C

### Key Features & Benefits

- Excellent resistance to high temperatures
- Outstanding resistance to oils, fuels, and hydrocarbons
- Very good resistance to acids, alkalis, and many chemicals
- Excellent oxidation and aging resistance
- Good mechanical strength under elevated temperatures
- Good electrical insulation properties

**Disclaimer:** All information provided is based on typical material properties and is intended as a general guide only. Final material selection should be confirmed by the end user for suitability in the intended application.

- Suitable for demanding and critical sealing applications

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## Physical Properties

Property	Typical Value	Test Method
Specific Gravity	1.95 ± 0.05 g/cm <sup>3</sup>	ASTM D297
Hardness	70 ± 5 Shore A	ASTM D2240
Tensile Strength	5 MPa	ASTM D412
Elongation at Break	200 %	ASTM D412
Compression Set (70 °C × 22 hrs)	45 %	ASTM D395
Polymer Content	66.1 %	—

Values shown are typical and not intended for specification purposes.

## Typical Applications

- Petrochemical and chemical processing equipment
- High-temperature flange gaskets and seals
- Automotive fuel and engine sealing components
- Aerospace and aviation applications
- Oil and gas processing equipment
- Industrial sealing applications requiring chemical resistance

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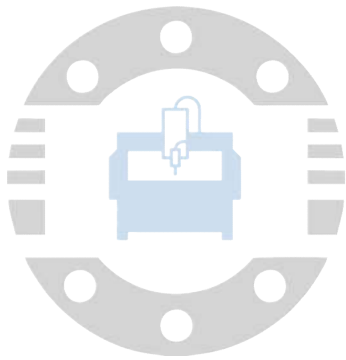
## Manufacturing & Cutting Capability

- Available in sheet form and custom-cut gaskets
  - Suitable for CNC oscillating knife cutting
  - Die-cutting and precision cutting available
  - Custom shapes, sizes, and thicknesses available
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## Storage & Handling

Store in a cool, dry place away from direct sunlight, ozone sources, and extreme heat. Avoid prolonged contact with incompatible chemicals prior to installation to maintain optimal service life.



**INDUSTRIAL**  
**EXPERTS**  
GASKETS AND CUTTING SOLUTIONS

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