

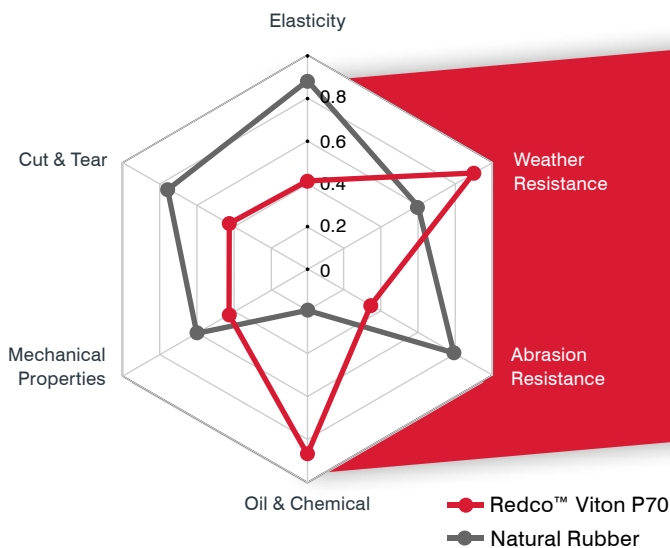


Redco™ Viton P70

TECHNICAL DATA SHEET

This engineered fluoroelastomer rubber's properties are directly proportional to its fluorine content, which impacts its chemical resistance and high-temperature resistance. Known as "Fluoroelastomer", "FKM" or most commonly "Viton™", it is used in the most demanding applications where other materials would not perform satisfactorily. Redco™ Viton™ P70 has been formulated for a wide variety of applications requiring parts cut from sheet-roll stock.

COLOUR: Black
DUROMETER: 70
DESIGNATION: FKM, FPM, Fluoroelastomer
SHAPES: Sheet, strips
SIZES: 1/16" through 1" thick



- ▶ O-rings, gaskets, seals, diaphragms
- ▶ Hose sections
- ▶ Down-hole applications in Oil & Gas
- ▶ Pump components
- ▶ Chemical process
- ▶ FDA Food Processing
- ▶ Chemical clean and steam applications

CORE ADVANTAGES:

- ▶ Extraordinarily high temperature resistance. Continuous +205°C and intermittent to +300°C
- ▶ Extraordinary chemical resistance
- ▶ Self-extinguishable
- ▶ Excellent ozone & weather resistance
- ▶ Low deformation on compression at high temperature
- ▶ Satisfactory resistance to low temperature -30°C to -50°C
- ▶ Most resistant elastomer to hydrocarbons; either aliphatic, aromatic or chlorinated
- ▶ Strong resistance to steam and water up to +150°C
- ▶ Excellent resistance to acids, alkalis, including antioxidants



Weather Resistant



Steam Service



Chemical Resistant



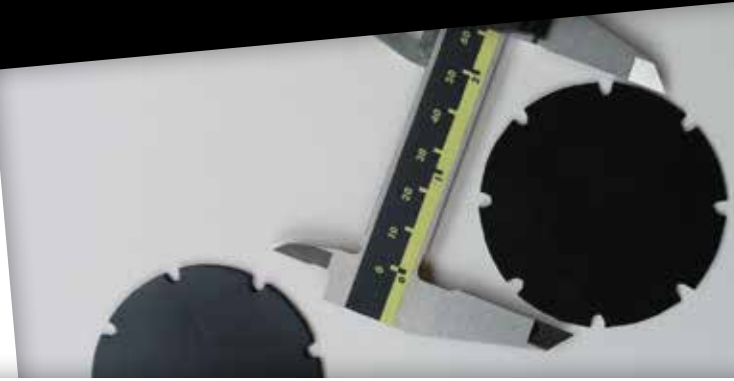
Fire Resistant



Extreme High Temp. Resistance

Redco™ Viton P70

PREMIUM GRADE VITON RUBBER



PROPERTY	SPECIFICATION	UNIT	TYPICAL VALUE
Durometer (Hardness)	ASTM D 2240	Shore A	70 +/- 5
Specific Gravity	ASTM D 792	g/cc	1.2
Tensile Strength	ASTM D 412	PSI	1000 nom.
Ultimate Elongation	ASTM D 412	%	200
Compression Set 22 hrs @ +70°C	ASTM D 395 Method B	%	40
Temperature Range		°C (°F)	-26°C to +205°C (-15°F to +400°F)

Unless otherwise stated, all Redco sheet rubber is provided to standard RMA Rubber Tolerances.

CHEMICAL RESISTANCE

COMPOUND	RESULT
Acid	Excellent
Alkali	Excellent
Gas & Oil	Excellent
Aromatic Hydrocarbons	Excellent
Ketones	Poor
Chlorinated Solvent	Excellent
Steam	Excellent
Oxidation	Excellent
UV	Excellent
Ozone	Excellent

ASK US about our custom cutting, stamping and fabricating services. All sheet rubber products are available in many formats, including:

- ▶ Full rolls
- ▶ Sheets
- ▶ Cut- to-size strips
- ▶ Blocks
- ▶ Custom-fabricated
- ▶ Die-cut parts

Redwood Plastics and Rubber offers a quick-ship process for in-stock sheet orders in as little as 24 hours if required.