

# O-Ring Compounds

## Aflas O-Rings

Color: Black

Durometer: 70 & 80

Temp Range: -20F to 400F Long Term  
(600F Short Term)

-Excellent resistance to Sour(H<sub>2</sub>S) Oil & Gas, Steam, Acids, Oils, Brake Fluids, Power Steering Fluids, Alcohol, Pulp & Paper Chemicals, Corrosion Inhibitors, (Amines) Solvents Insecticides/Herbicides

## Buna

Color: Black

Durometer: (40,50,60,70,80,90)

Temp Range: -40F to 275F

-Low Temp Resistance, Air, Water, Petroleum Products, Mineral Oil and Hydraulic Fluids, Natural Gases, Kerosene

**\*FDA COMPOUNDS AVAILABLE\***

## Chemrez

Color: Black & White

Durometer: 70, 80, 90

Temperature Range: -22F to 600F

-Chemrez has many different compounds to offer each specific application. The Perfluoroelastomer base material offers the broadest range of chemical resistance of any elastomer made. Resistant to High Temperatures, Steam, Water, Chemicals, Strong Oxidation Fluids, Hot Aqueous Solutions

## Chloroprene (Neoprene)

Color: Black

Durometer: 70

Temp Range: -20F to 175F

-Ozone, Oxidation, Weather Resistant, Refrigeration , Freon Gases, Carbon Dioxide, Chlorine, Water, Good Compression Set Properties, Excellent in Drive Belt Applications

## EPDM

Colors: Black & White

Durometer: 75

Temp Range: -60F to 300F

-Hot Water, Steam, Weak Acids, Alcohols, Alkalis, Keytone, Phosphate Ester, Oxygen, Ozone and Oxidation, Caster Based Oils

**\*FDA COMPOUNDS AVAILABLE\***

## Fluoroelastomer (Viton)

Colors: Black, Brown, Green

Durometer: 75, 90

Temp Range: -5F to 400F

-High Resistance to Heat, Low Gas Permeability, Self-Extinguishing Material, Mineral Oils, Greases, Aliphatic, Aromatic & Chlorinated Hydrocarbons, Fuels, Non-Flamable Hydraulic Fluids, Organic Solvents and Chemicals

**\*FDA COMPOUNDS AVAILABLE\***

# **Fluorosilicone**

Color: Blue

Durometer: (50,60,70,80)

Temp Range: -75F to 350F

-Although Fluorosilicone elastomers have the same mechanical properties as Silicones, they are far more resistant to oils and fuels.

# **Isolast**

Color: Black & White

Durometer: 70, 80, 90

Temperature Range: -22F to 600F

-Isolast has many different compounds to offer each specific application. The Perfluoroelastomer base material offers the broadest range of chemical resistance of any elastomer made. Resistant to High Temperatures, Steam, Water, Chemicals, Strong Oxidation Fluids, Hot Aqueous Solutions

# **Kalrez**

Color: Black & White

Durometer: 70, 80, 90

Temperature Range: -22F to 600F

-Kalrez has many different compounds to offer each specific application. The Perfluoroelastomer base material offers the broadest range of chemical resistance of any elastomer made. Resistant to High Temperatures, Steam, Water, Chemicals, Strong Oxidation Fluids, Hot Aqueous Solutions

## **Neoprene (Chloroprene)**

Color: Black

Durometer: 70

Temp Range: -20F to 175F

-Ozone, Oxidation, Weather Resistant, Refrigeration , Freon Gases, Carbon Dioxide, Chlorine, Water, Good Compression Set Properties, Excellent in Drive Belt Applications

## **Nitrile**

Color: Black & Brown

Durometer: (40,50,60,70,80,90)

Temp Range: -40F to 275F

-Low Temp Resistance, Air, Water, Petroleum Products, Mineral Oil and Hydraulic Fluids, Natural Gases, Kerosene

## **Perbunan (NBR)**

Color: Black & Brown

Durometer: (40,50,60,70,80,90)

Temp Range: -40F to 275F

-Low Temp Resistance, Air, Water, Petroleum Products, Mineral Oil and Hydraulic Fluids, Natural Gases, Kerosene

## **Perlast**

Color: Black & White

Durometer: 70, 80, 90

Temperature Range: -22F to 600F

-Perlast has many different compounds to offer each specific application. The Perfluoroelastomer base material offers the broadest range of chemical resistance of any elastomer made. Resistant to High Temperatures, Steam, Water, Chemicals, Strong Oxidation Fluids, Hot Aqueous Solutions

## **PTFE (Teflon)**

Color: White

Durometer: N/A

Temp Range: -20F to 500F

Teflon is an inert material and is impervious to most chemicals, and acids. Teflon is an **FDA Approved compound.**

## **Silicone**

Color: Red, Rust/Orange, White

Durometer: (25 to 80)

Temp Range: -65F to 390F

-Resistant to Weathering, Ozone, Water, Aliphatic Engine and Transmission Oils, Animal/Plants Oils and Fats.

**\*FDA APPROVED COMPOUND\***

## **Teflon Encapsulated Silicone**

Colors: Clear Shell with O-Ring Inside

Durometer: N/A

Temp Range: -80F to 475F

-Combines Excellent Mechanical Properties and Compression Set Resistance.

**\*FDA COMPOUNDS AVAILABLE\***

## **Teflon Encapsulated Viton**

Colors: Clear Shell with O-Ring Inside

Durometer: N/A

Temp Range: -10F to 300F

-Combines Excellent Mechanical Properties and Compression Set Resistance.

**\*FDA COMPOUNDS AVAILABLE\***

## **Urethane**

Colors: Natural, Clear

Durometer: 50 thru 95

Temp Range: -65F to 230F

-Excellent Wear and Abrasion Resistance.

**\*FDA COMPOUNDS AVAILABLE\***

# **Viton**

Colors: Black, Brown, Green

Durometer: 75, 90

Temp Range: -5F to 400F

-High Resistance to Heat, Low Gas Permeability, Self-Extinguishing Material, Mineral Oils, Greases, Aliphatic, Aromatic & Chlorinated Hydrocarbons, Fuels, Non-Flamable Hydraulic Fluids, Organic Solvents and Chemicals

**\*FDA COMPOUNDS AVAILABLE\***