

**Fluoroelastomer Rubber Material Properties**

<b>Physical Properties</b>			
lb./cu in.	0.05 to 0.07	Specific Gravity	1.4 to 1.95
Durometer Range	65 – 900	Resilience	Fair
Tensile Strength (psi)	1,500 – 3,000	Elongation (% reinforced)	100 – 450
Drift, Room Temp	Good	Compression Set	Good to Excellent
Electrical Resistivity	Good	Impermeability, Gas	Excellent

<b>Mechanical Properties</b>			
Impact Resistance	Poor to Good	Abrasion Resistance	Good
Tear Resistance	Poor to Good	Cut Growth Resistance	Poor to Good
Tensile Strength (psi, 250°F)	300 – 800	Tensile Strength (psi, 400°F)	150 – 300
Elongation (% , 250° F)	100 – 350	Elongation (% , 400° F)	50 – 160

<b>Temperature Properties</b>			
Drift at 212° F	Good to Excellent	Heat Aging at 212° F	Excellent
Flame Resistance	Excellent	Temperature, Max, (°F)	400
Low Temp, Stiffening (°F)	20 to -30	Low Temp, Brittle Pt (°F)	10 to -60

<b>Environmental Properties</b>			
Weather	Excellent	Oxidation	Excellent
Ozone	Excellent	Radiation	Fair to Good
Water	Good	Acid	Good to Excellent
Alkali	Poor to Good	Gasoline, Kerosene, etc.	Excellent
Benzol, Toluol, etc.	Excellent	Degreaser Solvents	Good
Alcohol	Excellent	Synthetic Lubricants (Diester)	Fair to Good
Hydraulic Fluids, Silicates	Good	Hydraulic Fluids, Phosphates	Poor

<b>Subjective Properties</b>			
Taste	Fair to Good	Non-staining	Poor to Good
Odor	Good	Rigid Material Bonding	Poor to Good

**Note:** Property data shown are typical average values and will vary based on specific production lots and by size and product configuration. They should be used only as a guide to primary selection for the application of a given material and never for purchase specifications. All values shown are based on bone dry specimens.