



## EPDM Rubber Material Properties

Physical Properties			
Ib./cu in.	0.031	Specific Gravity	0.86
Durometer Range	30 – 90	Resilience	Good
Tensile Strength (psi)	2,000 – 3,000	Elongation (% reinforced)	500
Drift, Room Temp	Fair	Compression Set	Fair
Electrical Resistivity	Excellent	Impermeability, Gas	Good

Mechanical Properties			
Impact Resistance	Good	Abrasion Resistance	Good
Tear Resistance	30 – 90	Cut Growth Resistance	Good
Tensile Strength (psi, 250°F)	2,000	Tensile Strength (psi, 400°F)	400
Elongation (% , 250° F)	300 – 500	Elongation (% , 400° F)	0 – 120

Temperature Properties			
Drift at 212° F	Fair	Heat Aging at 212° F	Excellent
Flame Resistance	Poor	Temperature, Max, (°F)	350
Low Temp, Stiffening (°F)	-20 to -50	Low Temp, Brittle Pt (°F)	-90

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

Subjective Properties			
Taste	Good	Non-staining	Good
Odor	Good	Rigid Material Bonding	Poor

**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.