



## Neoprene Rubber Material Properties

Physical Properties			
lb./cu in.	0.044	Specific Gravity	1.23
Durometer Range	45 – 95	Resilience	Excellent
Tensile Strength (psi)	3,000+	Elongation (% reinforced)	650 – 850
Drift, Room Temp	Fair to Good	Compression Set	Fair to Good
Electrical Resistivity	Fair	Impermeability, Gas	Good

Mechanical Properties			
Impact Resistance	Good	Abrasion Resistance	Good to Excellent
Tear Resistance	Good	Cut Growth Resistance	Good
Tensile Strength (psi, 250°F)	1,500+	Tensile Strength (psi, 400°F)	180
Elongation (% , 250° F)	350	Elongation (% , 400° F)	0 – 100

Temperature Properties			
Drift at 212° F	Fair to Good	Heat Aging at 212° F	Good
Flame Resistance	Good	Temperature, Max, (°F)	250
Low Temp, Stiffening (°F)	10 to -20	Low Temp, Brittle Pt (°F)	-45 to -180

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

Subjective Properties			
Taste	Fair to Good	Non-staining	Good to Excellent
Odor	Fair to Good	Rigid Material Bonding	Good to Excellent

**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.