

**Buytl Rubber Material Properties**

Physical Properties			
Ib./cu in.	0.033	Specific Gravity	0.92
Durometer Range	30 -100	Resilience	Fair
Tensile Strength (psi)	2,000+	Elongation (% reinforced)	300 - 800
Drift, Room Temp	Fair	Compression Set	Fair
Electrical Resistivity	Excellent	Impermeability, Gas	Excellent

Mechanical Properties			
Impact Resistance	Good	Abrasion Resistance	Good
Tear Resistance	Poor	Cut Growth Resistance	Excellent
Tensile Strength (psi, 250°F)	1,000	Tensile Strength (psi, 400°F)	350
Elongation (% , 250° F)	250	Elongation (% , 400° F)	80

Temperature Properties			
Drift at 212° F	Fair	Heat Aging at 212° F	Excellent
Flame Resistance	Poor	Temperature, Max, (°F)	325
Low Temp, Stiffening (°F)	10 to 40	Low Temp, Brittle Pt (°F)	-80

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

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