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Natural Rubber Material Properties

Physical Properties			
lb./cu in.	0.033	Specific Gravity	0.93
Durometer Range	30 -100	Resilience	Excellent
Tensile Strength (psi)	4,000+	Elongation (% reinforced)	500
Drift, Room Temp	Excellent	Compression Set	Good
Electrical Resistivity	Excellent	Impermeability, Gas	Good

Mechanical Properties			
Impact Resistance	Excellent	Abrasion Resistance	Excellent
Tear Resistance	Excellent	Cut Growth Resistance	Excellent
Tensile Strength (psi, 250°F)	1,800	Tensile Strength (psi, 400°F)	125
Elongation (%, 250° F)	500	Elongation (%, 400° F)	80

Temperature Properties			
Drift at 212° F	Good	Heat Aging at 212° F	Good
Flame Resistance	Poor	Temperature, Max, (°F)	200
Low Temp, Stiffening (°F)	-20 to -50	Low Temp, Brittle Pt (°F)	-80

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

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