

**Hypalon® Rubber Material Properties**

Physical Properties			
Ib./cu in.	0.04	Specific Gravity	1.1
Durometer Range	50 – 95	Resilience	Good
Tensile Strength (psi)	1,500 – 2,500	Elongation (% reinforced)	250 – 500
Drift, Room Temp	Fair	Compression Set	Fair to Good
Electrical Resistivity	Good	Impermeability, Gas	Excellent

Mechanical Properties			
Impact Resistance	Fair to Good	Abrasion Resistance	Fair to Good
Tear Resistance	Fair to Good	Cut Growth Resistance	Fair to Good
Tensile Strength (psi, 250°F)	500	Tensile Strength (psi, 400°F)	200
Elongation (% , 250° F)	60	Elongation (% , 400° F)	20

Temperature Properties			
Drift at 212° F	Fair	Heat Aging at 212° F	Excellent
Flame Resistance	Good	Temperature, Max, (°F)	325
Low Temp, Stiffening (°F)	-30 to -50	Low Temp, Brittle Pt (°F)	-60

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

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