

**NITRILE / BUNA-N / NBR**

**STYLE 8310**

<b>CHEMICAL NAME:</b>	Butadiene Acrylonitrile
<b>ASTM D-2000 CLASSIFICATION:</b>	BF, BG, BK
<b>DUROMETERS AVAILABLE:</b>	20 thru 95 ± 5 (Shore A)
<b>TENSILE STRENGTH RANGE:</b>	200 to 3000 psi
<b>ELONGATION (MAX):</b>	600%
<b>SPECIFIC GRAVITY (POLYMER):</b>	1.00
<b>TEMPERATURE RANGE (F°):</b>	-50° to +225° F
<b>WEATHER &amp; SUNLIGHT AGING:</b>	Fair
<b>HEAT AGING @ 212°F:</b>	Good
<b>OXIDATION:</b>	Good
<b>OZONE:</b>	Fair
<b>RESISTANCE TO:</b>	
<b>ABRASION:</b>	Good
<b>TEAR:</b>	Good
<b>HYDROCARBON SOLVENTS/OIL:</b>	Excellent
<b>ACID; DILUTE/CONCENTRATE:</b>	Good
<b>ALKALI; DILUTE/CONCENTRATE:</b>	Good
<b>FLAME:</b>	Poor
<b>WATER SWELL:</b>	Excellent
<b>REBOUND/RESILIENCE:</b>	Good
<b>IMPACT STRENGTH:</b>	Good
<b>ADHESION TO METAL:</b>	Good
<b>ELECTRICAL RESISTIVITY:</b>	Fair

**ADDITIONAL COMMENTS:**

Style 8310 is our high grade styrene free 100% Nitrile and is an outstanding oil resistant polymer, even in constant immersion. It has excellent resistance to fuels, oils and solvents. Although it should not be used in highly polar solvents like acetone and MEK, ozone, chlorinated and nitro hydrocarbons. It has excellent water, heat and abrasion resistance and good resistance to hydraulic fluids. It also has good resistance to compression set and tensile strength. It is recommended for soybean oils, but not ethanol.

Finish is plate (smooth).

Thicknesses: 1/64", 1/32", 1/16", 3/32", 1/8", 3/16", 1/4"



## PRODUCT DATA SHEET

Widths: 36" & 48"