



Rubber Products Distributors

Buna-N

Common Name _____	Buna N, Nitrile, NBR
Trade Names _____	Oil Ace
	Mincar
ASTM D-2000 Classification _____	BF, BG, BK
Military (MIL-STD 417) _____	SB
Chemical Definition _____	Butadiene Acrylonitrile

GENERAL CHARACTERISTICS

Durometer Range (Shore A) _____	20 – 95
Tensile Range (P.S.I.) _____	200 – 3000
Elongation (Max.%) _____	600
Compression Set _____	Good
Resilience – Rebound _____	Good
Abrasion Resistance _____	Excellent
Tear Resistance _____	Good
Solvent Resistance _____	Good to Excellent
Oil Resistance _____	Good to Excellent
Low Temperature Usage (F°) _____	+30° to -40°
High Temperature Usage (F°) _____	to 250°
Aging Weather – Sunlight _____	Poor
Adhesion to Metals _____	Good to Excellent

COMMENT

Nitrile (Buna-N) is a general purpose oil resistant polymer which has good solvent, oil, water and hydraulic fluid resistance, good compression set, abrasion resistance and tensile strength. Nitrile should not be used in highly polar solvents such as acetone, and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.

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