

Material Data Sheet | **Nitrile (“Buna-N”)**

Nitrile (“Buna-N”) exhibits low compression set, high abrasion resistance, and high tensile strength. It is an oil resistant polymer which has good solvent, oil, water, and hydraulic fluid resistance. It is not as flexible with poor ozone, sunlight, temperature and weather resistance.

TECHNICAL INFORMATION	
Common Names	Nitrile, BUNA-N, NBR
Adhesion to Metals	Excellent
Military (MIL STD 417)	SB
Chemical Definition	Butadiene Acrylonitrile
Tensile Range (P.S.I)	200 – 3000
Oil Resistance	Good to Excellent
Durometer Range (Shore A)	45 – 95
Compression Set	Good
High Temperature Usage (F°)	to 250°
Abrasion Resistance	Excellent
Tear Resistance	Good
Solvent Resistance	Good to Excellent
Resilience – Rebound	Good
Aging Weather – Sunlight	Poor
Elongation (max. %)	600
ASTM D-2000 Classification	BF, BG, BK
Low Temperature Usage (F°)	30° to -40°

