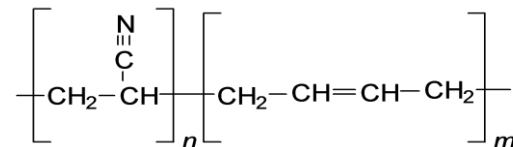


## Acrylonitrile Butadiene Elastomer (NBR 90A)



### SPECIFICATIONS

Property	Spec	Value
Hardness (±5)		90A
Density (g/cm <sup>3</sup> )		1.39
Tensile Strength		2465psi
Elongation		150%
100% Modulus		1595psi
Compression Set 22 hours @ 212F		17.3%
Minimum Service Temp.		-31° C -25° F
Maximum Service Temp.		110° C 230° F
Color		Black

### DESCRIPTION

MN08 is a NBR material with hardness 90 Shore A, specially compounded for standard applications. Nitrile elastomer NBR is an amorphous random copolymer of butadiene and acrylonitrile. There are numerous NBR copolymers available globally. As a thermoset elastomer, an NBR compound consists of NBR copolymer, carbon black reinforcement fillers, curing agents, molding process aids and specialty additives. NBR articles are molded by injection, transfer, compression or extrusion processes. NBR lends itself to a virtually infinite number of compounded materials and versatile in applications. The essential feature of NBR elastomer is the presence of Nitrile, -C≡N, functional group. This polar group is responsible for its significantly increased chemical resistance.