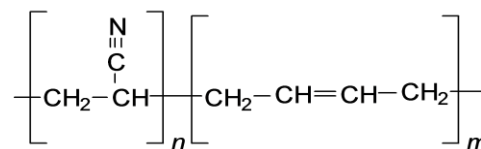


## Low Temperature Acrylonitrile Butadiene Elastomer (NBR 90)



### SPECIFICATIONS

Property	Spec	Value
Color		Black
Hardness (Shore A)	ASTM D 2240	90±5
Tensile Strength	ASTM D 412 C	11.7 MPa
Ultimate Elongation	ASTM D 412 C	205 %
Modulus at 100%	ASTM D 412 C	8.1 MPa
Specific Gravity		1.33 g/cm <sup>3</sup>
Compression set 22h/100°C	ASTM D 395 B	12.3 %

### DESCRIPTION

MN90 is a NBR material with hardness 90 Shore A, specially compounded for low temperature 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, functional group. This polar group is responsible for its significantly increased chemical resistance.