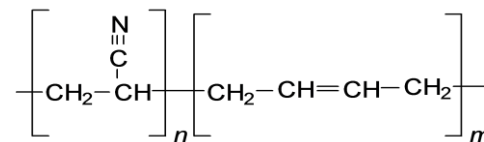


Nitrile Butadiene Elastomer (NBR)



SPECIFICATIONS

Property	Spec	Value
Hardness	ISO 868	85 ± 5
100% Modulus (Mpa)	DIN 53 504	≥8
Tensile Strength (Mpa)	DIN 53 504	≥15
Elongation at Break	DIN 53 504	≥200%
Tear Strength (kN/m)	DIN ISO 34-1	≥18
Specific Gravity (kg/m ³)	ISO 1183	≥1440
Rebound Elasticity	DIN 53 512	23%
Abrasion (mm ³)	DIN 53 516	140
Compression Set: 24h, 70C @ 25% def	ISO 815	≤7%
Compression Set: 24h, 100C @ 25% def	ISO 815	≤9%
Compression Set: 24h, 150C @ 25% def	ISO 815	-
Min Service Temperature		-30C -22F
Max Service Temperature		110C 230F
Max Temperature Water/Steam		-
Max Temperature Hot air/Short		-
Color		White

DESCRIPTION

MN213 is a NBR material with hardness 85 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.