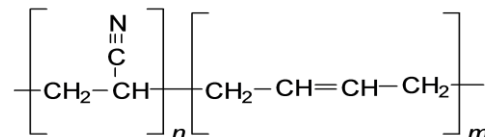


## Nitrile Butadiene Elastomer (NBR-FDA)



### SPECIFICATIONS

Property	Spec	Value
Hardness Shore A	ISO 868	80
Tensile Strength	DIN 53 504	8 MPa
Spec. Gravity	ISO 1183	1230 kg/m <sup>3</sup>
Density	ISO 1183	1230 kg/m <sup>3</sup>
Abrasion	DIN 53 516	248 mm <sup>3</sup>
Modulus 100%	DIN 53 504	5 MPa
Elongation at Break	DIN 53 504	140%
Compression Set 24h, 70°C, 25% deflection	ISO 815	13%
Min. Service Temperature		-30°C
Max. Service Temperature		100°C
Color		Blue

### DESCRIPTION

MN335 is a NBR material with hardness 80±5 Shore A. 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. This polar group is responsible for its significantly increased chemical resistance. FDA approved.