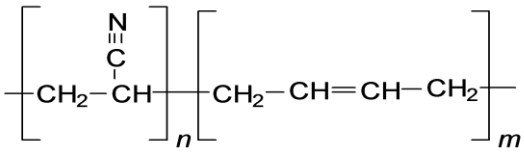
systemseals

MATERIAL SPECIFICATION SHEET

MN50

Butadiene Acrylonitrile Elastomer (NBR and Fabric)



SPECIFICATIONS

Property	Spec	Value
Color		Black
Weight (gr/m²)		560±30
Compound hardness Shore A	ISO 7267/2	65±5
Thickness (mm)		0.60±0.05
Tensile strength warp/weft (N/cm)	ISO 1421	≥150/≥150
Coating adhesion (N/cm)	ISO 2411	≥15
Low temperature (bend test) (°C)	ISO 4675	-15
Operating Temperatures (°C)		-20/+120
Fiber		Cotton
Fiber Weight (gr/m²)		230

DESCRIPTION

MN50 is a NBR material with hardness 65±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.