



EUROPEAN
SEALING
TECHNOLOGY

Seals for industry

NBR SHEET

NITRILE RUBBER

Technical data sheet



European Sealing Technology - Industrial sealing solutions

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NBR SHEET PRODUCT

PROPERTIES

Type

Acrylonitrile Butadiene, Nitrile Rubber, Buna N Rubber

Colour

Black

Hardness

70° (+/-5°) Shore 'A'

Specific Gravity

1.5 g/cm³

Tensile Strength

≥ 8MPa

Elongation at Break

≥ 350%

Tear Resistance

≥ 30 N/mm

Temperature Range**In air :**

-20°C to 100°C

In Oil:

Max 100°C

In water/Steam:

Max 90°C

Chemicals and physicals characteristics

Advantages in performance...

For abrasion resistance, capability to recover after deformation (compression set), and tear resistance, gas permeability, and water resistance.

NBR is suitable for animal & vegetable oils, aliphatic hydrocarbon fuels, LP gases & fuel oils, mineral oils, non-aromatic petroleum, and certain solvents.

Limitations in performance...

NBR is not suitable for concentrated acids, concentrated organic acids, aldehydes, concentrated alkalis, amines, brake fluids, alkyl phosphate esters, aryl phosphate esters, ethers, halogenated solvents, halogenated hydrocarbons, and ketones. NBR is also not suitable for flame resistance and sunlight resistance.