

Technical Data Sheet

Hydrogenated Nitrile rubber (WCMHNBR)

CHEMICAL DESCRIPTION:

Hydrogenated ($\geq 90\%$ saturation) version of acrylonitrile-butadiene rubber, which shows improved stability and physical properties compared to standard NBR

PROPERTIES

ASTM classification:

HNBR

Typical applications:

Oil & gas industry

Advantages :

Good resistance to oils and non-polar solvents
High tensile strength
Good ozone and weathering resistance
Good abrasion resistance
Excellent heat resistance

Disadvantages:

Decreased low temperature flexibility compared to NBR
Poor steam resistance

Available hardness range (Sh. A):

50 - 95

Upper continuous service temp. (°C):

175

Min. temp. for sealing applications. (°C):

-25

Minimum non-brittle temp. (°C):

-40

Tensile strength (up to):

30 MPa

Elongation at break (up to):

450%

N.B. With all compounds, differing hardness's can affect final properties of the mix.

COMPOUND



Certificate Number: 14352
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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