

Technical Data Sheet

Nitrile Butadiene High/Medium/Low ACN Rubber (WCMHIGMEDLOWNBR)

CHEMICAL DESCRIPTION:

Copolymer of acrylonitrile and butadiene. The oil resistance and low temperature properties of the compounded material can vary considerably, depending on the acrylonitrile content of the base polymer.

PROPERTIES

ASTM classification:

NBR

Typical applications:

Oil resistant applications in automotive, marine and aircraft fuel systems

Advantages :

Good resistance to oils and non-polar solvents

Disadvantages:

Poor ozone and weathering resistance
Poor steam resistance

Available hardness range (Sh. A):

40 - 90

Upper continuous service temp. (°C):

150

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

-40

Minimum non-brittle temp. (°C):

-55

Tensile strength (up to):

30 MPa

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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