

Technical Data Sheet

Carboxylated Nitrile Butadiene Rubber (WCMXNBR)

CHEMICAL DESCRIPTION:	Carboxylated Nitrile Butadiene Rubber
PROPERTIES	
ASTM classification:	XNBR
Typical applications:	Oil resistant applications in automotive, marine and aircraft fuel systems where high strength and abrasion resistance is required.
Advantages :	Good resistance to oils and non-polar solvents Improved tear strength and abrasion resistance cf. NBR.
Disadvantages:	Poor ozone and weathering resistance Poor steam resistance
Available hardness range (Sh. A):	50 - 95
Upper continuous service temp. (°C):	125
Min. temp. for sealing applications. (°C):	-15
Minimum non-brittle temp. (°C):	-30
Tensile strength (up to):	25 MPa
Elongation at break (up to):	250%

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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