

Technical Data Sheet

Bromobutyl Rubber (WCMBIIR)

CHEMICAL DESCRIPTION: Derivative of butyl rubber which has been reacted with bromine in a continuous process

PROPERTIES

ASTM classification:	BIIR
Typical applications:	Inner tyre tubes, breathing apparatus for defence and fire services
Advantages :	Low gas permeability Excellent ozone resistance Good steam resistance Good fire resistance
Disadvantages:	Poor resistance to oils and non-polar solvents
Available hardness range (Sh. A):	35 - 90
Upper continuous service temp. (°C):	130
Min. temp. for sealing applications. (°C):	-50
Minimum non-brittle temp. (°C):	-70
Tensile strength (up to):	18 MPa
Elongation at break (up to):	650%

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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