

# Technical Data Sheet

## Polybutadiene Rubber (WCMBR)

**CHEMICAL DESCRIPTION:** Polybutadiene Rubber

### PROPERTIES

ASTM classification:	BR
Typical applications:	Winter tyres
Advantages :	Good tensile strength Good low temperature performance
Disadvantages:	Poor resistance to oils and non-polar solvents Poor steam resistance Poor ozone and weathering resistance Reduced resilience and abrasion resistance cf. NR and SBR
Available hardness range (Sh. A):	40 - 90
Upper continuous service temp.(°C):	100
Min. temp. for sealing applications(°C):	-60
Minimum non-brittle temp.(°C):	-90
Tensile strength (up to):	20 MPa
Elongation at break (up to):	550%

**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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