



# Specification Sheet

Mastite NASB9WG, a compressed gasket sheeting is manufactured with aramid and high quality mineral fibres mixed in a rubber NBR matrix. This material exhibits high compressibility with good resistance to traction and low gas permeability. It has been developed to cater for many industrial services, where the high demand for resistance to temperature and pressure must be combined.

## CHARACTERISTICS

Colour: Graphite coated Vibrant Yellow s

Thickness: 0.8, 1.0, 1.5, 2.0, 2.5, 3.0mm

Standard Sheet Dimensions: 2000mm x 1500mm

Inherent Anti-stick Properties

Good behaviour on cutting

Excellent resistance to oils, hydrocarbons, alkalis and steam at moderate temperatures

## Resistance to Temperature

Maximum continuous temperature: 250°C

Maximum short term temperature 400°C

## TECHNICAL DATA

Density (gr/cm <sup>3</sup> )		1.6±10 %
Compressibility	(ASTMF-36A)	7-15 %
Recovery	(ASTM F-36A)	> 50 %
Transverse Tensile Strength	(ASTM F-152)	13N/mm <sup>2</sup>
Gas permeability	(DIN3535/4)	< 0,1 cc/min
Leachable Chloride		< 50 ppm
Sulphur Content		< 100 ppm

## Increase in thickness (ASTM F-146)

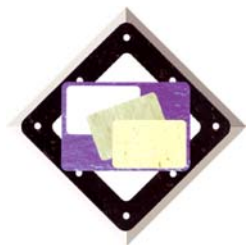
ASTM Oil N° .1(5hrs @ 150°C)	< 2%
ASTM Oil N° .3(5hrs @ 150°C)	< 4%
ASTM Fuel B (5hrs 20°C)	< 6%

Flexibility		Good
Anti Stick Finish	(ASTM F-64-F104)	Class1
Maximum Temperature		400°C
Maximum Pressure		100 Bar
Maximum lower service temperature		-45 °C

## Tensile strength DIN52910

Length wise		25 N/mm <sup>2</sup>
Crosswise		13 N/mm <sup>2</sup>
Stress relaxation	(DIN52913)	29 N/mm <sup>2</sup>
Cold compressibility	(DIN28091-2)	9-10%
Cold recovery	(DIN28091-2)	4-5%

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Hot creep at 200°C	(DIN28091-2)	10-11%
Hot recovery at 200°C	(DIN28091-2)	1.5%
Recovery	(DIN28091-2)	0.03mm
Maximum gaskets pressure	(DIN28090-2)	130 N/mm <sup>2</sup>
Tightness with N <sub>2</sub>	(DIN3535)	< 0.5cm <sup>3</sup> /min
Approvals		DVGW, WQC

One of the problems with Non-Asbestos sheeting is that it has a much lower fibre content than Compressed Asbestos sheeting. However, **NASB9W** is different.

It offers the highest continuous temperature performance because it has a considerably higher content than the other materials in the Non-Asbestos range. This means that the material is much more stable.

## **TYPICAL APPLICATIONS & INDUSTRIES**

This material can be used in such areas as Power Stations, the Petrochemical Industry, Plant and Apparatus Industry (Maintenance), General Chemical Industry, due to an excellent resistance to chemicals and also the Gas and Water Industries.

Good performance and long service life of gaskets depends largely on the fitting of gaskets and the operating conditions, over which BG have no control.

The data given in this technical sheet should be used as guidance only. If you require any further technical information, please contact our technical department, c/o Dr. Ken Taylor.

We offer guarantees only for the quality of our products.

**Mastite NASB 9W**