

## Technical Data Sheet

**MATERIAL PROPERTIES\*:** C4500

**DESCRIPTION:**

Carbon fibres and special heat resistant additives bonded with NBR. A superior performance product designed for use with strongly alkaline media and steam in the chemical industry.

C4500 complies with the requirements of the BS 7531 Grade X specification.

**COLOUR:**

Black

**SERVICE:**

Premium quality high-pressure gasket especially suitable for use with high temperature alkaline media and superheated steam.



**TESTS & APPROVALS:**

Fire safe according to EN ISO 10497, DIN-DVGW permit, BAM tested, KTW recommended, "TA-Luft"-certification (Clean Air Act).

**TYPICAL PHYSICAL PROPERTIES:**

Compressibility ASTM F 36 J		%	12
Recovery ASTM F 36 J min		%	60 Min
Stress relaxation DIN 52913	50 MPa, 16 h/300°C	MPa	32
Stress relaxation BS 7531	40 MPa, 16 h/300°C	MPa	30
Cold / hot compression	thickness decrease at 23°C	%	10
50 MPa	thickness decrease at 300°C	%	15
Gas leakage according to DIN 3535/6		ml/min	<1.0
Thickness increase after fluid immersion ASTM F 146	Oil JRM 903: 5 h/150°C	%	3
	Fuel B: 5 h/23°C	%	5
Density		g/cm <sup>3</sup>	1.4

**AVAILABILITY:**

Sheet size : 2.0m x 1.5 m, 4.0m x 1.5m, 1.5m x 1.0m

Thickness range : 0.4 mm to 3.0mm

3xA Anti Static coating on both sides.

Also available with either mild steel mesh or expanded mild steel reinforcements.

Notes: \* This is a general guide and should not be the sole means of selecting or rejecting this material. This data sheet covers basic information, for more comprehensive information, please contact us.

**Asbestos Free**



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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