

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 ³	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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