

Technical Data Sheet

MATERIAL PROPERTIES*: C4509

DESCRIPTION:

Carbon fibres and special heat resistant additives bonded with NBR together with an expanded steel reinforcement.

A superior performance product designed for use with strongly alkaline media and steam in the chemical industry.

COLOUR:

Black

SERVICE:

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



TYPICAL PHYSICAL PROPERTIES:

| | | | |
|--------------------------------|-----------------------------|-------------------|--------|
| Compressibility ASTM F 36 J | | % | 12 |
| Recovery ASTM F 36 J min | | % | 65 Min |
| Stress relaxation DIN 52913 | 50 MPa, 16 h/300°C | MPa | 39 |
| Cold / hot compression | thickness decrease at 23°C | % | 9 |
| 50 MPa | thickness decrease at 300°C | % | 7 |
| Thickness increase after fluid | Oil JRM 903: 5 h/150°C | % | 3 |
| immersion ASTM F 146 | Fuel B: 5 h/23°C | % | 5 |
| Density | | g/cm ³ | 2.0 |

AVAILABILITY:

Sheet size : 2.0m x 1.5 m, 4.0m x 1.5m
 Thickness range : 1mm, 1.5mm, 2mm, 3.0mm
 3xA Anti Static coating on both sides.

Also available without reinforcements. C4500.

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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