

Non-Asbestos Fibre Grade AF-153 WRAS Approved Jointing

Typical Applications:

This is a low parameter sheet material recommended for water supply and sewage mains gasket work.

Material makeup:

AF-153 sheet material is based on natural fibres, mineral fibres and fillers bonded with an NBR, NR and SBR based binder system.

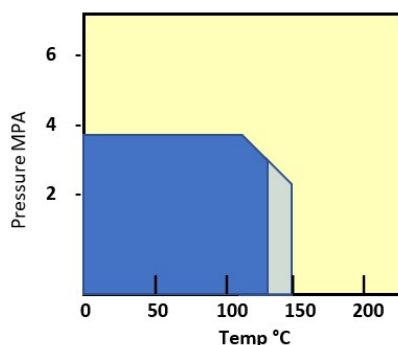
Appearance:

The material surface is smooth without cracks, indentation, breakages or blisters.

Dimensions and tolerances are shown on page 2.

Basic physical and usage features are included in the table on page 2, for full chemical resistance please ask for further information.

Normally a Mica flake anti-stick surface is applied to this sheeting, however Graphite can be used where requested.



Operating Area:

The darker blue area of the graph opposite represents the safe operating zone for this material. The light blue area should be tested, especially if there is high temperature steam present. The yellow area is generally outside safe working parameters.

It is not recommended that maximum temperature and pressure are applied simultaneously – the graph is based on 2mm thickness material.



Registered in England and Wales. Reg No. 4512847

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Classification according to DIN 28091-2

FA-MN13-0

Approvals / Admissions / Certificates

WRAS
GOST R
UDT

| Non-Asbestos Grade AF-153 WRAS | | | |
|---|--|---------------------------------------|-------------|
| Maximum Operating | Peak Temperature: | °C | 180 |
| | Continuous Temperature | °C | 155 |
| | Continuous Temperature with steam | °C | 130 |
| | Pressure | Mpa | 4Mpa |
| | Tested to BS7531 Grade Y for use with water, steam, oils, solvents, gas, dilute acids and alkalis | | |
| Method and type of test | | | |
| Physical and Chemical Features | Density ± 5% | g/cm3 (DIN 28090-2) | 1.9 |
| | Tensile strength cross fibre minimal value | Mpa (DIN 52910) | 5 |
| | Compressibility at 35 Mpa / 20°C | % (ASTM F36) | 10 |
| | Elastic recovery / 20°C minimal value | % (ASTM F36) | 50 |
| | Residual stress 50Mpa/16h/175°C | Mpa (DIN 52913) | 20 |
| Colour | | | Light Green |
| Standard thickness (mm) | 0.3, 0.5, 0.8, | % | ±10 |
| | 1.0, 1.5, 2 , 2.5, | mm | ±0.10 |
| | 3, 4, 5, 6mm ± 0.15 | mm | ±0.15 |
| Thickness above 4mm are laminate glued | | | |
| ASME Coefficient Factors at 1.5mm, tightness class L1,0 | | Y | 2.1MPa |
| | | M | 2.0 |
| ASME Coefficient Factors at 1.5mm, tightness class L0,1 | | Y | 5.0MPa |
| | | M | 6.8 |
| Sheet Size | | Standard 1500x1500, 1500x3000 special | |

Values in the table above are based on gasket sheets with a thickness of 2mm except where stated otherwise.
Wire reinforced version of this material is also available.



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