

PRODUCT
REFERENCE:

UNIMETAL[®]

DESCRIPTION:

Unimetal[®] is a new asbestos free sheet material graphite based with special polymer coating both sides. **Unimetal[®]** is wire mesh reinforced
This jointing sheet is a **PATENT** of FMI.
Anti-stick.

COLOUR

Black

SERVICE

Unimetal is recommended for industrial application involving high sealing stress and chemical resistance and is suitable when is required a superior bolt torque.

Thanks to its characteristics avoids flanges pittings

Maximum temperature:	650°C
Maximum working temperature:	450° C
Minimum working temperature:	-200°C
Maximum recommended pressure:	150 bar

Note: temperatures and pressure values can not be reached simultaneously.

TYPICAL
PHYSICAL
PROPERTIES

Thk	0,75	1,5 mm
Density	1,85	1,55 g/cm ³
ASTM compressibility	18	19 %
ASTM recovery	≥ 30	≥ 32 %
ASTM F152 tensile strength	≥ 58	≥ 63 MPa
DIN Gas permeability	0,30	0,33 ml/min
ASTM OIL 3 thk increase 5 h at 150°C	1,7	2,0 %
ASTM FUEL B increase 5 h at 150°C	3,8	3,4 %

AVAILABILITY:

Standard sheet size:	1.5 m x 1.5 m;
On request sheet size:	1,5 x 2 / 3 / 4 m
Tolerance:	+/- 50 mm
Thickness range:	0.5 to 5.0 mm
Tolerance:	+10%

This technical data sheet is a results of laboratory test, FMI is issuing this data sheet as a pure informative document

Quality system accredited ISO 9001:2000