



TESNIT BA-C NON-ASBESTOS JOINTING MATERIAL

Tesnit® BA-C is a non-asbestos jointing sheet, made from aramid fibres, and bonded with synthetic elastomers and CSM binders. The formulation gives the material excellent chemical stability and is especially formulated to seal against aggressive media. It has very good chemical resistance to acids and alkalines. It may be used to seal nitric acid at up to 40% concentration and sulphuric acid at up to 96% concentration. (see note 1)

Specification compliance	Tesnit® BA (non - asbestos) jointing materials are tested to norms internationally accepted for this product range.
Supply data	Treatment with 4xA anti stick coating, graphite or PTFE on request.
Colour	Yellow.
Sheet size	1500mm x 1000 mm, 1500mm x 1500 mm.
Nominal thickness	0.5mm, 0.8mm, 1.0mm, 1.5mm, 2.0mm, 3.0 mm
Tolerance	Sheet dimensions (+/-) 50 mm, thickness (+/-) 10%

Technical Data:

(Values relate to 2mm thickness)

Operating Pressure	max.	bar	60
Peak Operating Temperature (see note 1)	max.	°C	200
Continuous Service Temperature (see note 1)		°C	150
Compressibility (ASTM F36-J)		%	8
Recovery (ASTM F36-J)	min	%	45
Stress Relaxation (DIN 52913) 16 hrs, 175 °C, 50 N/mm ²	min	N/mm ²	25
Tensile Strength - across grain (DIN 52910)	min	N/mm ²	10
Gas Permeability (DIN 3535/4)	max	ml/min	0.6
Immersion Test in HNO ₃ 40% for 18 hrs at 23 °C			
- Thickness Increase	max	%	10
Immersion Test in H ₂ SO ₄ 65% for 48 hrs at 23 °C			
- Thickness Increase	max	%	8

Notes:

- Actual service limits depend upon the diverse relationships between temperatures and pressures, fluids and medium to be sealed and flange connection etc. As such no warranty can be given or implied from the given data for any specific application. If in doubt please contact vendor.
- Prior to gasket installation do not use any compounds. Such treatment will result in negative gasket performance, as it softens the gasket surface, which results in creeping and reduces the friction characteristics.

TESNIT-BA-C