Tesnit® BA-HF

TECHNICAL DATA SHEET

Basis

Aramide fibres, SBR/NBR/NR

General properties and application

Gasket material with controled swell properties and light-to-medium loadings. Very suitable material for coarse flanges and with good resistance to water, steam, air, gases, nonagresive media.

Sheet size: 1000 x 1500 mm, 1500 x 1500 mm
Thickness: 0.5 mm, 0.8 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm (other thicknesses on request)
Tolerances: Thickness: < 1 mm ± 0.1 mm, ≥ 1 mm ± 10 %, Length: ± 50 mm, Width: ± 50

Technical data

Typical values (thickness 2.0 mm)		
Compressibility	ASTM F 36/J	18 %
Recovery	ASTM F 36/J	55 %
Tensile strenght	DIN 52910	5 N/mm²
Stress resistance	DIN 52913	
• 16h, 300°C, 50 N/mm²		
• 16h, 175°C, 50 N/mm²		15 N/mm²
Specific Leak rate	DIN 3535/6	0.01 mg/(sm)
Thickness increase	ASTM F 146	
• Oil IRM 903, 5h, 150°C		35 %
• ASTM Fuel B, 5h, 23°C		35 %
*Max. operating conditions		
Peak temperature		220°C / 428°F
Continuous temperature		200°C / 392°F
- with steam		170°C / 338°F
Pressure		40 bar / 580 psi

* Temperature and pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since they depend not only on the type of gasket material but also on the assembly conditions. Very important factors are: thickness of material, nature of service medium, type of flange, surface stress. Steam application requires special consideration.

This edition cancels all previous issues. Subject to change without notice.