

TESNIT BA - E

Basis

Aramide fibers, EPDM

Application

Gasket material for medium loadings, good swelling properties in oils, good steam resistance.

Dimensions of standard sheets:

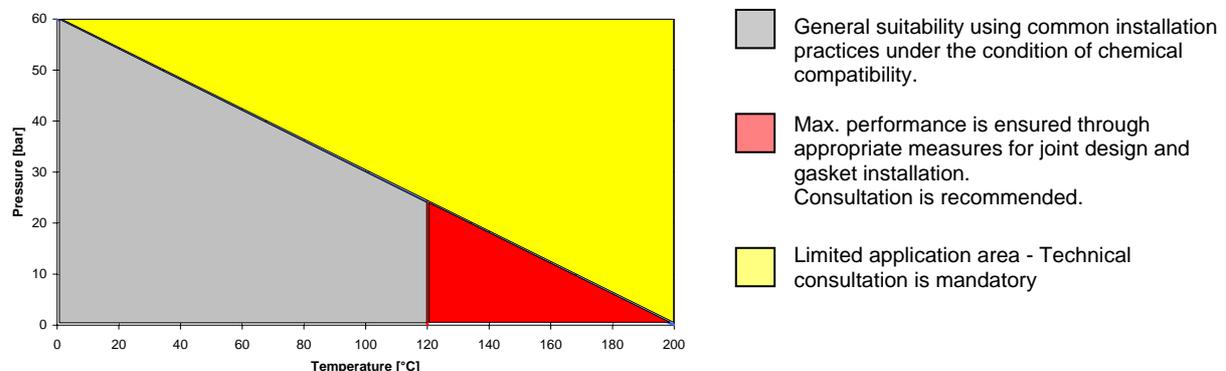
Sheet size: 1500 x 1500 mm, 1000 x 1500 mm
 Thickness: 0,8; 1,0; 1,6; 2,0; 3,2 mm (other thicknesses available on request)
 Tolerances: Thickness: < 1 mm = 0,1 mm, >1 mm = +- 10 %
 Length: +- 50 mm, Width: +- 50 mm

TECHNICAL DATA

Typical values for a thickness of 1.6 mm

Compressibility	ASTM F 36/J	%	6 ÷ 15 %
Recovery	ASTM F/36/J	%	min. 40 %
Tensile strength	DIN 52910	MPa	min. 8 MPa
Stress resistance	DIN 52913		
16h, 175°C, 50N/mm ²		MPa	>20
Thickness increase	ASTM F 146		
Oil IRM 903, 5h, 150°C		%	40%
ASTM Fuel B, 5h, 23°C:		%	20%
Sealability:	DIN 3535/6	mg/(sm)	< 0.1
Max. operating conditions			
Peak temperature		°C/F	200/392
Continuous temperature		°C/F	170/338
-with steam		°C/F	170/338
Pressure		bar/psi	60/870

* Temperature and pressure represent maximum values and should not be simultaneously. They are given only as 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 and type of flange and surface stress. Steam application requires special consideration.



All information data are based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behavior in gasket joint. The data may not, therefore, be used to support any warranty claims.