



WILLIAM JOHNSTON
& COMPANY LIMITED

TESNIT® BAR-302



TECHNICAL DATA SHEET

Basis

Inorganic fibres, NBR, special reinforcement. Gasket material with extremely strong reinforcement (perforated metal, wire mesh in twill weave) filled with highly resistant gasket mixture.

General properties and application

High suitability for dynamically loaded joints at extremely high temperature and pressure.

Used in automotive and petrochemical industry, shipyards, exhaust systems.

Approvals

Germanischer Lloyd, CRS

Dimensions of standard sheets

Sheet size: 1000 x 1400 mm

Thickness: 1.4 mm, 1.6 mm

Tolerances: Thickness: < 1 mm \pm 0.1 mm, \geq 1 mm \pm 10 %, Length: \pm 50 mm, Width: \pm 50

Surface treatment: Graphite.

Technical data

Typical values (thickness 2.0 mm)

Compressibility	ASTM F 36/J	7 %
Recovery	ASTM F 36/J	45 %
Stress resistance	DIN 52913	
• 16h, 300°C, 50 MPa		45 MPa
• 16h, 175°C, 50 MPa		
Thickness increase	ASTM F 146	
• Oil IRM 903, 5h, 150°C		5 %
*Max. operating conditions		
Peak temperature		650°C / 1202°F
Continuous temperature		600°C / 1112°F

* 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.

In order to spread the most comprehensive knowledge of our products, our highly skilled group of experts organized in the technical-service department can assist you by solving practically any sealing problem. If you need our help, contact us.



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