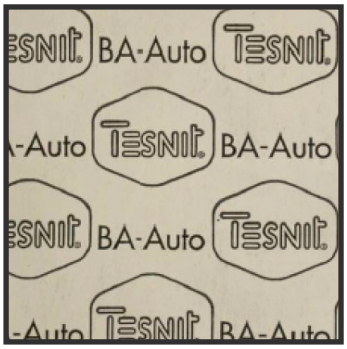
TECHNICAL DATA SHEET

Queensland Gaskets

DONIT | TESNIT® BA-AUTO



TESNIT® BA-AUTO is soft gasketing material with controlled swell properties. It is a sealing material based on aramide fibres and selected rubbers. It is specially designed for sealing at low surface stress on rough or uneven sealing flanges. The controlled swelling of gasket material in such case compensate the loss of specific surface pressure in application. TESNIT® BA-AUTO is widely used in automotive industry.

Date of issue 08/10/2020

PROPERTIES AND APPLICATION

Gasket material for sealing at low surface stresses in automotive and chemical industry.

Basis	**Aramide fibres, SBR**

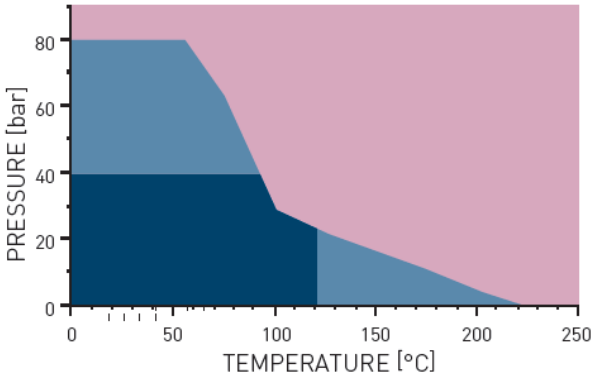
SURFACE TREATMENT

Treatment with graphite, PTFE and antistick coating is available on request.

DIMENSIONS OF STANDARD SHEET

Sheet size (mm): 1000 x 1500 | 1500 x 1500 | 3000 x 1500 | 4500 x 1500
Thickness (mm): 0.5 | 0.8 | 1.0 | 1.5 | 2.0 | 3.0
Other dimensions and thicknesses on request.

PT-DIAGRAM



- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensured through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area. Technical consultation is mandatory.

The Pressure - Temperature charts are the most current method of determining the suitability of a gasket material in a known application. Maximum figures for temperature and pressure can be misleading. Max. temperature and max. pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since this max. values depend not only on the type of gasket material but also on the assembly conditions. Use the pressure and temperature graphs to check suitability of chosen gasket material for your application (combination of pressure and temperature).

Contact us to discuss requirements and place your order 07 3277 3922

All information and data quoted has been provided by Donit Tesnit and are based upon years of experience in the production and operation of sealing elements. This data may not be used to support any warranty claims. With its publication this latest edition supersedes all previous issues and is subject to change without further notice.

TECHNICAL DATA

Typical values for a thickness of 2 mm

Compressibility	ASTM F36/J	%	9
Recovery	ASTM F36/J	%	50
Tensile strength	DIN 52910	MPa	10
Stress resistance	DIN 52913		
16h, 300°C, 50MPa		MPa	
16h, 175°C, 50MPa		MPa	25
Specific Leak Rate	DIN 3535/6	mg/(s.m)	0.06
Thickness increase	ASTM F 146		
Oil IRM 903, 5h, 150°C		%	40
ASTM Fuel B, 5h, 23°C		%	8
Max. operating conditions			
Peak temperature		°C/°F	280/536
Continuous temperature		°C/°F	220/428
Pressure		bar/psi	80/1160

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