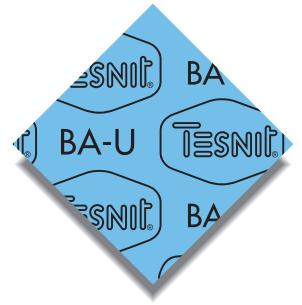




# TESNIT BA-U



## TECHNICAL DATA SHEET

### Basis

Aramide fibres, NBR.

### General properties and application

Gasket material with good chemical, mechanical and thermal properties

Suitable for general use

### Approvals

DIN-DVGW, KTW, WQc/WRAS, BAM, HTB, SVGW, Germanischer Lloyd

BS 7531 Grade Y, UDT, CRS

### Dimensions of standard sheets

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  $\pm$  0.1 mm,  $\geq$  1 mm  $\pm$  10 %, Length:  $\pm$  50 mm, Width:  $\pm$  50

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

### Technical data

Typical values (thickness 2.0 mm)

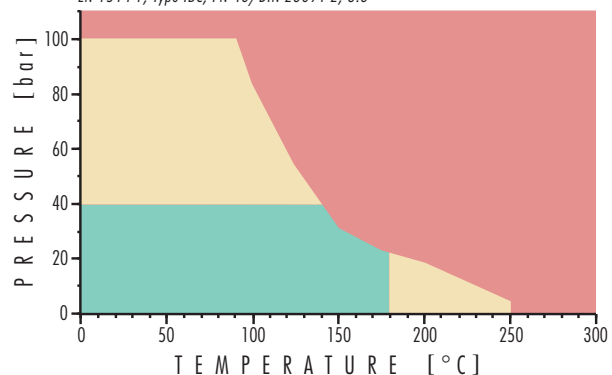
Compressibility	ASTM F 36/J	8 %
Recovery	ASTM F 36/J	55 %
Tensile strength	DIN 52910	11 MPa
Stress resistance	DIN 52913	
• 16h, 300°C, 50 MPa		22 MPa
• 16h, 175°C, 50 MPa		28 MPa
Specific Leak rate	DIN 3535/6	0.05 mg/(s.m)
Thickness increase	ASTM F 146	
• Oil IRM 903, 5h, 150°C		5 %
• ASTM Fuel B, 5h, 23°C		5 %
<b>*Max. operating conditions</b>		
Peak temperature		350°C / 662°F
Continuous temperature		250°C / 482°F
- with steam		200°C / 392°F
Pressure		100 bar / 1450 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.

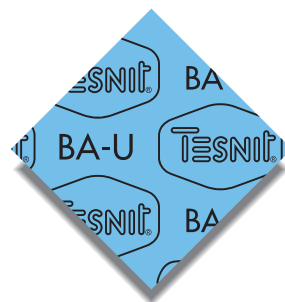
- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensure through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area - Technical consultation is mandatory.

### BA-U, 2 mm

EN 1514-1, Type IBC, PN 40/DIN 28091-2, 3.8



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



The recommendations made here are intended to be a guideline for the selection of the suitable gasket quality. Because the function and durability of the products depend upon a number of factors, the data may not be used to support any warranty claims.

● Recommended	■ Recommendation depends on operating conditions	▼ Not recommended
Acetamide		
Acetic acid 10%		
Acetic acid 100%		
Acetic ester	■	
Acetone	■	
Acetylene		
Adipic acid		
Air		
Alum		
Aluminium acetate		
Aluminium chlorate		
Aluminium chloride		
Ammonia		
Ammonium bicarbonate		
Ammonium chloride		
Ammonium hydroxide		
Amyl acetate	■	
Aniline		▼
Asphalt		
Barium chloride		
Benzene		
Benzoic acid		
Boric acid		
Borax		
Butane		
Butyl alcohol		
Butyric acid		
Calcium chloride		
Calcium hydroxide		
Carbon disulphide		▼
Carbon dioxide		
Chloroform	■	
Chlorine, dry		
Chlorine, wet	■	
Chromic acid	■	
Citric acid		
Copper acetate		
Creosote		▼
Cresol	■	
Cyclohexanol		
Cyclohexanone	■	
Decaline	■	
Dibenzyl ether		▼
Dimethyl formamide		▼
Dowtherm	■	
Ethane		
Ethyl acetate	■	
Ethyl alcohol		
Ethyl chloride	■	
Ethylene		
Ethylene glycol		
Formic acid 10%		
Formic acid 85%		
Formaldehyde		
Freon 12		
Freon 22	■	
Fuel oil		
Gasoline		
Glycerine		
Heptane		
Hydraulic oil (Mineral)		
Hydraulic oil (phosphate ester type)	■	
Hydraulic oil (glycol based)		
Hydrazine		
Hydrochloric acid 20%	■	
Hydrochloric acid 36%		▼
Hydrofluoric acid 10%		▼
Hydrofluoric acid 40%		▼
Hydrogen		
Isobutane		
Isooctane		
Isopropyl alcohol		
Kerosene		
Lead acetate		
Lead arsenate		
Magnesium sulphate		
Malic acid		
Methane		
Methanol		
Methyl chloride	■	
Methylene dichloride		▼
Methyl ethyl ketone	■	
Milk		
Mineral oil type ASTM no. 1		
Naphtha		
Nitric acid 20%	■	
Nitric acid 40%	■	
Nitric acid 96%		▼
Nitrobenzene		▼
Nitrogen		
Octane		
Oleic acid		
Oleum		▼
Oxalic acid	■	
Oxygen		
Palmitic acid		
Pentane		
Perchloroethylene	■	
Phenol		▼
Phosphoric acid		
Potassium acetate		
Potassium bicarbonate		
Potassium carbonate		
Potassium chloride		
Potassium dichromate		
Potassium hydroxide		
Potassium iodide		
Potassium nitrate		
Potassium permanganate		
Propane		
Pyridine		▼
Salicylic acid		
Silicone oil		
Soap		
Sodium aluminate		
Sodium bicarbonate		
Sodium bisulphite		
Sodium carbonate		
Sodium chloride		
Sodium cyanide		
Sodium hydroxide	■	
Sodium sulphate		
Sodium sulphide		
Starch		
Steam		
Stearic acid		
Sugar		
Sulphuric acid 20%	■	
Sulphuric acid 96%		▼
Tar		
Tartaric acid		
Toluene		
Transformer oil		
Trichlorethylene	■	
Water		
White Spirit		
Xylene	■	

MAJ:esign\_english\_jezik, 21.3.2003

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.

**DONIT TESNIT**



**DONIT TESNIT** d.d.  
 Cesta komandanta Staneta 38  
 1215 MEDVODE, Slovenija  
 telefon: +386 (01) 582 32 00  
 fax: +386 (01) 582 32 06, 582 32 08  
 E-mail: info@donittesnit.si  
 http://www.donittesnit.si