

TECHNICAL DATA SHEET

Basis

Aramid fibres, NBR

General properties and application

Gasket material with good chemical and mechanical properties, resistance to oil, fuels and cooling liquids. It is used in automotive industry.

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.

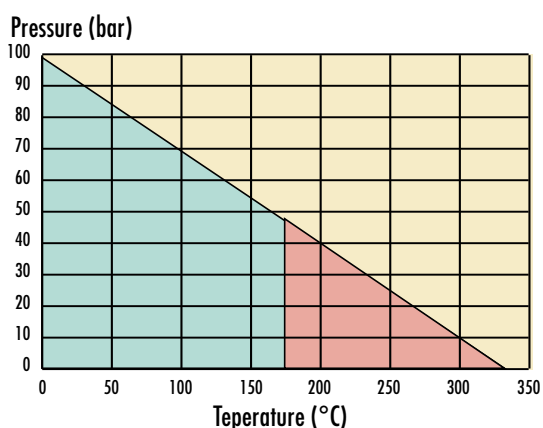
Technical data

Typical values (thickness 2.0 mm)

Compressibility	ASTM F 36/J	8 %
Recovery	ASTM F 36/J	50 %
Tensile strenght	DIN 52910	11 N/mm ²
Stress resistance	DIN 52913	
• 16h, 300°C, 50 N/mm ²		20 N/mm ²
• 16h, 175°C, 50 N/mm ²		28 N/mm ²
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 %
*Max. operating conditions		
Peak temperature		330°C / 626°F
Continuous temperature		250°C / 482°F
- with steam		200°C / 392°F
Pressure		100 bar / 1450 psi

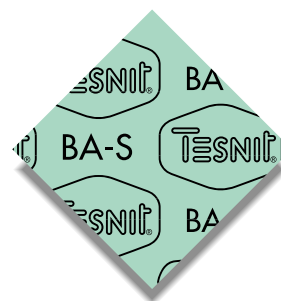
* Temperature and pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since they depend not only on the type of gasket material but also on the assembly conditions. Very important factors are: thickness of material, nature of service medium, type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

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



p-T diagram BA-S

- Suitable area
- Suitable area, but Technical for steam is recommended
- Area in which Technical advice is required



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 ●	Ethyl acetate ■	Oleic acid ●
Acetic acid 10% ●	Ethyl alcohol ●	Oleum ▼
Acetic acid 100% ●	Ethyl chloride ■	Oxalic acid ■
Acetic ester ■	Ethylene ●	Oxygen ●
Acetone ■	Ethylene glycol ■	Palmitic acid ●
Acetylene ●	Formic acid 10% ●	Pentane ●
Adipic acid ●	Formic acid 85% ■	Perchloroethylene ■
Air ●	Formaldehyde ●	Phenol ▼
Alum ●	Freon 12 ●	Phosphoric acid ●
Aluminium acetate ●	Freon 22 ■	Potassium acetate ●
Aluminium chlorate ●	Fuel oil ●	Potassium bicarbonate ●
Aluminium chloride ●	Gasoline ●	Potassium carbonate ●
Ammonia ●	Glycerine ●	Potassium chloride ●
Ammonium bicarbonate ●	Heptane ●	Potassium dichromate ●
Ammonium chloride ●	Hydraulic oil (Mineral) ●	Potassium hydroxide ●
Ammonium hydroxide ●	Hydraulic oil (Type phosphate ester type) ■	Potassium iodide ●
Amyl acetate ■	Hydraulic (glycol based) ●	Potassium nitrate ●
Aniline ▼	Hydrazine ●	Potassium permanganate ●
Asphalt ●	Hydrochloric acid 20% ■	Propane ●
Barium chloride ●	Hydrochloric acid 36% ▼	Pyridine ▼
Benzene ●	Hydrofluoric acid 10% ▼	Salicylic acid ●
Benzoic acid ●	Hydrofluoric acid 40% ▼	Silicone oil ●
Boric acid ●	Hydrogen ●	Soap ●
Borax ●	Isobutane ●	Sodium aluminate ●
Butane ●	Isocetane ●	Sodium bicarbonate ●
Butyl alcohol ●	Isopropyl alcohol ●	Sodium bisulphite ●
Butyric acid ●	Kerosene ●	Sodium carbonate ●
Calcium chloride ●	Lead acetate ●	Sodium chloride ●
Calcium hydroxide ●	Lead arsenate ●	Sodium cyanide ●
Carbon disulphide ▼	Magnesium sulphate ●	Sodium hydroxide ■
Carbon dioxide ●	Mallic acid ●	Sodium sulphate ●
Chloroform ■	Methane ●	Sodium sulphide ●
Chlorine, dry ●	Methanol ●	Starch ●
Chlorine, wet ▼	Methyl chloride ■	Steam ●
Chromic acid ■	Methylene dichloride ▼	Stearic acid ●
Citric acid ●	Methyl ethyl ketone ■	Sugar ●
Copper acetate ●	Milk ●	Sulphuric acid 20% ▼
Creosote ▼	Mineral oil type ASTM no. 1 ●	Sulphuric acid 96% ▼
Cresol ■	Naphtha ●	Tar ●
Cyclohexanol ●	Nitric acid 20% ▼	Tartaric acid ●
Cyclohexanone ▼	Nitric acid 40% ▼	Toluene ●
Decaline ●	Nitric acid 96% ▼	Transformer oil ●
Dibenzyl ether ▼	Nitrobenzene ▼	Trichlorethylene ■
Dimethyl formamide ▼	Nitrogen ●	Water ●
Dowtherm ■	Octane ●	White Spirit ●
Ethane ●		Xylene ■

MAJ sign angleški jezik, 03-4-2000

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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