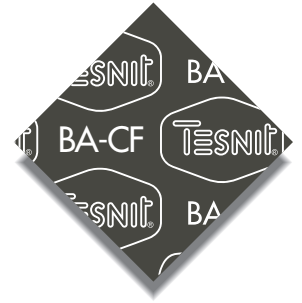




TESNIT BA-CF



TECHNICAL DATA SHEET

Basis

Carbon fibres, NBR.

General properties and application

Gasket material with excellent resistance to steam and strong alkaline media.

Gasket material for chemical and petrochemical industry.

Approvals

DIN-DVGW, SVGW, KTW, HTB, BAM, UDT, CRS, BS 7531 Grade X

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 ± 0.1 mm, ≥ 1 mm ± 10 %, Length: ± 50 mm, Width: ± 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	9 %
Recovery	ASTM F 36/J	55 %
Tensile strength	DIN 52910	8 MPa
Stress resistance	DIN 52913	
• 16h, 300°C, 50 MPa		25 MPa
• 16h, 175°C, 50 MPa		30 MPa
Specific Leak rate	DIN 3535/6	0.05 mg/(s.m)
Thickness increase	ASTM F 146	
• Oil IRM 903, 5h, 150°C		7 %

*Max. operating conditions

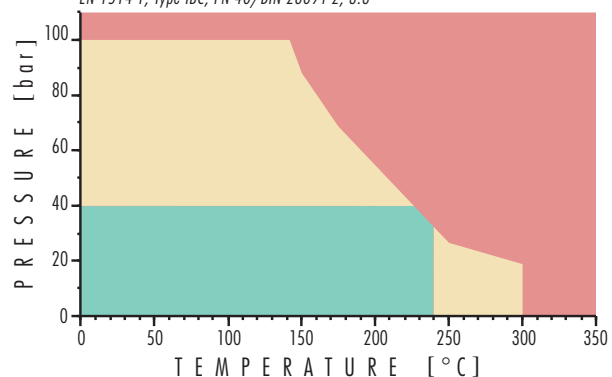
Peak temperature	400°C / 752°F
Continuous temperature	300°C / 572°F
- with steam	280°C / 536°F
Pressure	100 bar / 1450 psi

* 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.

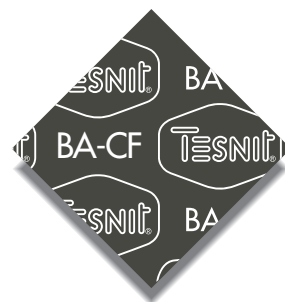
BA-CF, 2 mm

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



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

TESNIT BA-CF



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. in sign. angleški 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



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