DONIT TESNIT

WILLIAM JOHNSTON
& COMPANY LIMITED

Tesnit® BA-203

TECHNICAL DATA SHEET

Basis

Aramide fibres, NBR

General properties and application

Oil-resistant gasket material for medium loadings. Very suitable economical quality with good resistance to water, gases, oils and fuels

Approvals

Germanischer Lloyd

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.

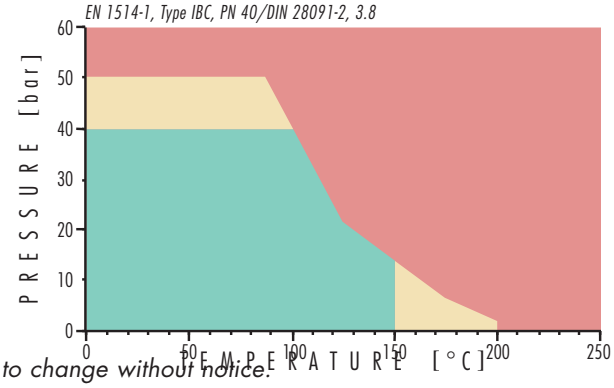
Technical data

Typical values (thickness 2.0 mm)		
Compressibility	ASTM F 36/J	9 %
Recovery	ASTM F 36/J	55 %
Tensile strenght	DIN 52910	8 MPa
Stress resistance	DIN 52913	
• 16h, 300°C, 50 MPa		
• 16h, 175°C, 50 MPa		25 MPa
Specific Leak rate	DIN 3535/6	0.08 mg/(s.m)
Thickness increase	ASTM F 146	
• Oil IRM 903, 5h, 150°C		10 %
• ASTM Fuel B, 5h, 23°C		10 %
*Max. operating conditions		
Peak temperature		250°C / 482°F
Continuous temperature		200°C / 392°F
- with steam		160°C / 320°F
Pressure		50 bar / 725 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.*

BA-203, 2 mm

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

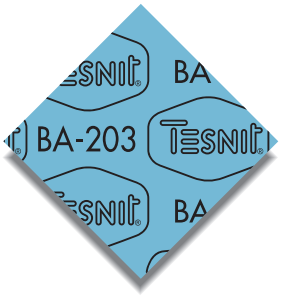


General suitability using common installation practices under the condition of chemical compatibility.

Max. performance is ensure through appropriate measures for joint design and gasket installation. Consultation is recommended.

Limited application area - Technical consultation is mandatory.

Tesnit® BA-203



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

MAJ design angleški jezik, 21-32003

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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