SCHEDA TECNICA(Revisione 2005)[1]

Fasit 400/BA-F (Standard ID Materiale 5)
Fasit 400 FE/BA-F Armato(ID Materiale 6)

(Particolari/Guarnizioni realizzate con processo di taglio da lastra con queste caratteristiche)

Basis: Synthetic fibres, graphite, NBR.

General properties and application

Gasket material with very good thermal properties and chimica resistance to steam, oil, gases, fuel, alkaline media and weak acids.

Technical Data: (typical values thickness 2.0 mm)

Compressibility	ASTM F36/J	7	%
Recovery	ASTM F36/J	50	%
Tensile strenght	DIN 52910	9	Mpa
Stress resistance: – 16h,300°C, 50 MPa – 16h,175°C, 50 MPa	DIN 52913	 25 30	 Mpa Mpa
Specific leak rate	DIN 3535/6	0,08	Mg/(s m)
Thickness increase: – Oil IRM 903, 5h, 150°C – ASTM Fuel B, 5h, 23°C	ASTM F146	 5 8	 % %
Max operating Condition: – Peak temperature – Continuous temperature – Continuous temperature with steam		 350 280 250	 °C °C °C
Pressure		100 (130 versione Armata)	bar

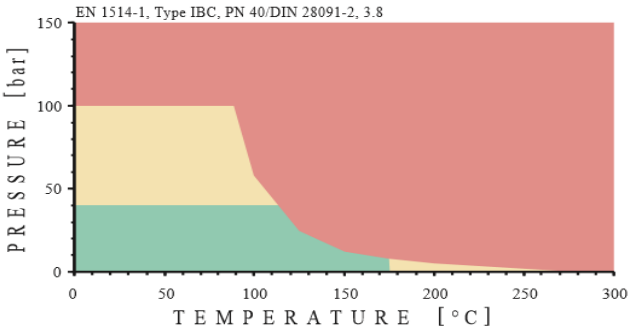
* Temperature and pressure represent maximum values and should not be used simultaneusly.

Approvals: BAM, UDT.

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.



GASKET FACTORS

thickness(mm)	ASME-EN DIN28090			PVRC-ROTT			Max.Assembly stress
	y / σvu (MPa)	$m_{/1}$	$m_{/0,1}$	Gb (MPa)	a	Gs (MPa)	σvo / Q_{max} (MPa)
1,5	22	1,9					
2	25	1,9					
3	30	2,1					

Follow the recommended installation procedures by regulations. If in doubt please contact Us or visit the web site: (http://www.laguarnizione.it/php/it/istruzioni.php).

ATTENZIONE: Valori ricavati da test eseguiti su normale giunto flangiato dove la superficie di appoggio è molto maggiore dello spessore. Per guarnizioni dalla fascia piccolina (Esempio raccorderia, ...) occorre fare i test sul campo.

Values derived from tests performed on a normal flanged joint where the surface of the support is much greater than the thickness. For small-band gaskets (for example fittings, ...), specific application tests must be performed.

1The value in this data sheet are given only for guidance, sice they depend not only on the type of gasket material but also on the assembly condition. Very important factors are: thicness of material, nature of service medium, typo of flanges, surface stress. Steam applicationrequires speciual consideration. The data may not be used to support any warranty claims.

OMOLOGAZIONI/*CERTIFICATES*

I manufatti da noi realizzati sono ottenuti con processo di taglio a freddo che non altera le proprietà chimico/fisiche del materiale. E' però un processo industriale NON asettico che può lasciare traccia di polveri (Talco, ...) che non ne alterano le proprietà. Si rende quindi necessaria la pulizia/sterilizzazione prima del suo utilizzo. ATTENZIONE: Le guarnizioni ed i nostri manufatti in genere non sono dispositivi di sicurezza. Ove siano presenti pericoli per la sicurezza delle persone (alte pressioni,alte temperature, fluidi pericolosi, ...) prevedere dispositivi aggiuntivi di sicurezza certificati. E' compito del progettista dell'impianto scegliere il tipo di materiale adeguato e valutare eventuali pericoli di rottura del manufatto (Guarnizione, bandella, paracolpi, ...) e prevenirli.	*The products we make are obtained with a cold cutting process that does not alter the chemical/physical properties of the material. However, it is a non-aseptic industrial process which can leave traces of powders which do not alter its properties. It is therefore necessary to clean/sterilize it before using it.* *ATTENTION: The gaskets and our products in general are not safety devices. Where there are dangers for people's safety (high pressures, high temperatures, dangerous fluids, ...) provide certified safety devices.* *It is the task of the system designer to choose the appropriate type of material and evaluate any dangers of breakage of the product (gasket, strip, bumper, ...) and prevent them.*

Seguono le omologazioni disponibili/*follow the avaiable approvals:*

NOTE SULLE OMOLOGAZIONI IN GENERE AL SEGUENTE LINK:
https://st.laguarnizione.it/?ID=DOC0003

DICHIARAZIONI GENERICHE (Reach, Rosh,EUDR , BPA free, ...) Al seguente link:
https://st.laguarnizione.it/?ID=DOC0004

Chimical compatibility Chart

The recommendations made here are intended to be a guideline for the selection of suitable gasket quality because the function and durability of the product depend upon a number of factor, 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	