BA-F

Sealing material with very good thermal and chemical properties against steam, oils, gases, fuels, lubricants, alkaline media and weak acids.

Basis: Synthetic fibres, graphite, NBR

Colour: Black

Surface coating: Standard - without non-stick coating
Other coatings on request

Certifications: BAM (oxygen)

Applications: Sealing material is especially recommended for the chemical, petro-chemical, construction, OEM industries as well was power plants.

Technical specifications (typical values at 2 mm thickness)

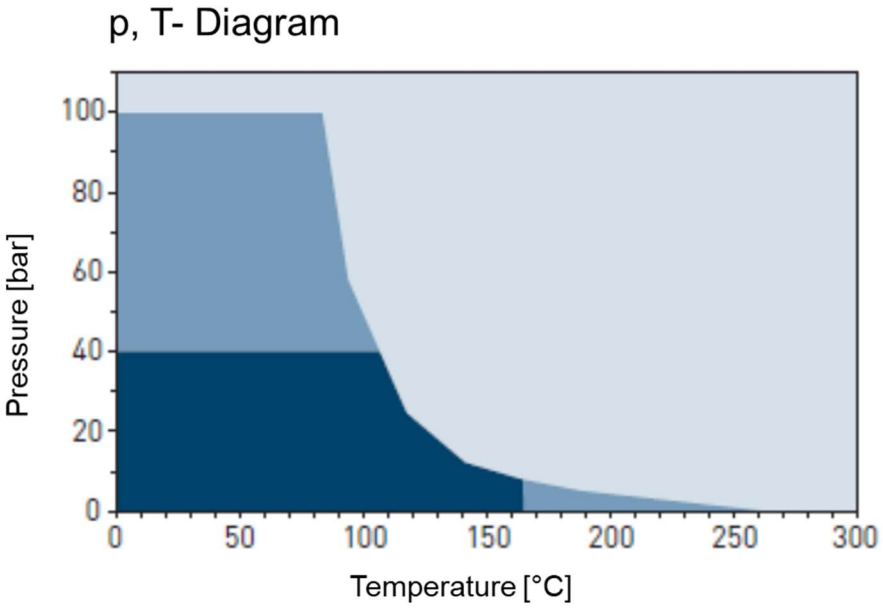
Density	DIN 28090-2	g/cm³	1,6
Compressibility	ASTM F 36/J	%	10
Resilience	ASTM F 36/J	%	55
Tensile Strength	DIN 52910	MPa	11
Pressure resistance	DIN 52913		
50MPa, T=175°C,16 h		MPa	32
50MPa, T=300°C,16 h		MPa	25
Media resistance in Oil IRM 903, 5 h, 150 °C	ASTM F 146		
Thickness increase		%	5
Media resistance in ASTM fuel B, 5 h, 23 °C	ASTM F 146		
Thickness increase		%	8
Specific leakage rate	DIN 3535/6	mg/m*s	0,08
Max. operating conditions			
Maximum temperature		°C	350
Continuous temperature		°C	280
Continuous temperature at steam		°C	250
Pressure		bar	100
Cold compression value ε_{KSW}	DIN 28090-2	%	/
Cold rebound value ε_{KRW}	DIN 28090-2	%	/
Warm setting value $\varepsilon_{WSW/200\,°C}$	DIN 28090-2	%	/
Warm rebound value $\varepsilon_{WRW/200°C}$	DIN 28090-2	%	/

Dimensions:

Plate sizes *	1500 mm x 1500 mm
Thickness *	0,5 mm; 1,0 mm; 1,5 mm; 1,5 mm; 2,0 mm; 3,0 mm
Thickness tolerance	< 1mm ±0,1mm respectively ≥ 1 mm ±10%
Length tolerance	± 5 %
Width tolerance	± 5 %

*Different sizes and thicknesses on request

Recommendations for use



- General suitability - Under common installation practices and chemical compatibility.
- Conditional sutability – Appropriate measures ensure maximium performance for joint design and gasket installation. Technical consultation is recommended.
- Limited suitability – Technical consultation is mandatory.

The indicated temperatures and pressures are peak values and should not be used simultaneously. The information can only serve as a guideline, as these are not only dependent on the sealing material, but also on the installation conditions. Very important influencing factors are: seal thickness, type of medium, flange type and surface stress. Special care should be taken with steam applications. In case of doubt, our experts are always ready to find the optimal sealing solution for the application.