

BA-5D

Gasket material with excellent resistance to hot water, steam and oils.

Basis

Bio-soluble Mineral and Aramide fibers, NBR

DIN 28091-2

FA-MA1-0

Color

Black

Surface treatment

Standard non-stick top and bottom layer

Graphite or PTFE antistick coating on request

Dimensions of standard Sheet

Sheet size: 1000x1500 mm
 1500x1500 mm
 2000x2000 mm

Thickness: 0.5 mm, 1.0 mm, 1.5 mm, 2.0 mm
 (other thicknesses available on request)

Tolerances:

Thickness: <1 mm = ± 0.1 mm, ≥1 mm = ± 10%
 Length: ± 50 mm
 Width: ± 50 mm

Application

Universal gasket material designed for use in steam applications, hot water radiators and boilers.

For general use at high pressure, temperature and surface stress.

Suitable for sealing hot water, steam, oils, fuels, non-aggressive chemicals and many other media.

Standard version of BA-5D has a specially designed non-stick top and bottom layer.

TECHNICAL DATA

Typical values for a thickness of 1.0 mm

Density	DIN 28090-2	g/cm ³	1.8-2.0
Compressibility	ASTM F 36/J	%	5-8
Recovery	ASTM F36/J	%	>50
Tensile strength	DIN 52910	MPa	≈7
Specific Leak Rate	DIN 3535/6	mg/(s.m)	0.05
Thickness increase	ASTM F146		
• Oil IRM 903, 5h, 150°C		%	≤8
Stress resistance 16h, 50MPa, 300°C	DIN 52913	MPa	33
Copmpression modulus	DIN 28090-2		
• at room temperature: eKSW		%	5-7
• at elevated temperature: eWSW/200°C		%	7-11
Percentage creep deformation	DIN 28090-2		
• at room temperature: eKRW		%	>3.5
• at elevated temperature: eWRW/200°C		%	≈1.4
Max. operating conditions*			
• Peak temperature		°C	350
• Continuous temperature		°C	250
o with steam		°C	200
• Pressure		bar	100

* Temperature and pressure represent maximum values and should not be simultaneously. They are given only as 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 and type of flange and surface stress. Steam application requires special consideration.

All information data are based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour in gasket joint. The data may not, therefore, be used to support any warranty claims.

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

V20060310