

BARM 6000

Environment – friendly gasket material with excellent resistance to steam featuring long term steam sealability

Basis

Biosoluble mineral fibres, NBR, Wire-reinforced

DIN 28091-2

FA-M1-St

Colour

Black

Application

Excellent torque retention properties, good chemical properties and sealability.

Recommended for all applications where thermal cycling, saturated or overheated steam are used i.e. heat exchangers, boilers, radiators, steam supply, power generation, etc.

For sealing oils, fuels, gases, refrigerants, solvents, non-aggressive chemicals, hot water and other media in many different flanged joints.

TECHNICAL DATA

Typical values for a thickness of 1.5 mm

Density	DIN 28090-2	g/cm ³	1.8 - 2.1
Compressibility	ASTM F 36/J	%	10
Recovery	ASTM F36/J	%	>55
Tensile strength	DIN 52910	N/mm ²	≈18
Thickness increase	ASTM F146		
Oil IRM 903, 5h, 150°C		%	≤5
Max. operating conditions*			
Peak temperature		°C/F	440/824
Continuous temperature		°C/F	350/662
- with steam		°C/F	300/572
Pressure		bar/psi	130/1885

* 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 behavior in gasket joint. The data may not, therefore, be used to support any warranty claims.