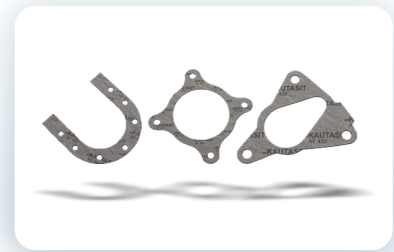


PROPERTIES AND AREAS OF APPLICATION

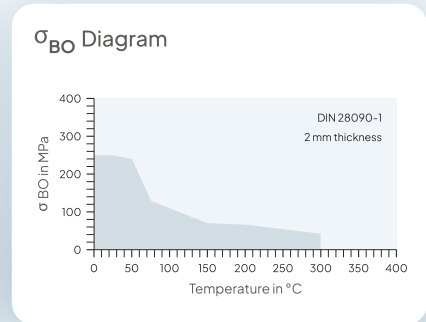
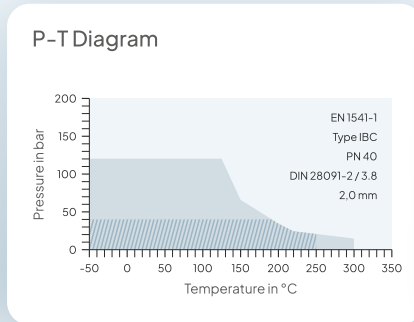
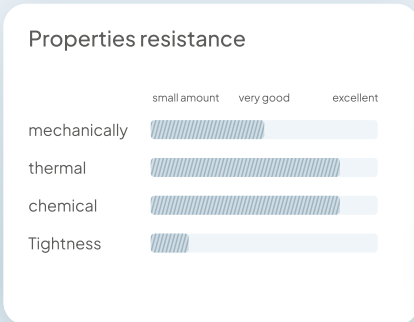
The asbestos-free fiber material AF 450 is the top-quality material for maximum steam resistance.

AF 450 is a carbon fiber-based sealing material for steam and high-temperature applications. Thanks to its optimized fiber-matrix structure, the seal remains permanently elastic and leak-proof even under fluctuating thermal loads. AF 450 is used wherever conventional fiber materials reach their limits, for example, in steam turbines, district heating stations, and chemical reactors.



PERFORMANCE CHARTS

- General suitability
Observe installation conditions and material suitability
- Conditional suitability
Technical counselling is recommended
- Limited suitability
Application-related consulting necessary



MATERIAL PROPERTIES

2 mm thickness

Wertangaben	Zusatzangaben	Dim.	Spezifikationen
Density	DIN 28090-2	g/cm ³	ca. 1,7
Re-suspension according to ASTM - F 36 J		%	6 - 12
Compressibility according to ASTM - F 36 J		%	≥ 45
Compressive strength	16 h, 50 MPa, 175°C	MPa	≥ 35
	16 h, 50 MPa, 300°C		≥ 30
Gas permeability according to DIN 3535-6		mg/(s-m)	≤ 0,1
Maximum temperature at vapour		°C	220
Media resistance - thickness increase	ASTM - oil no. 3, 5 h/150 °C	%	≤ 5
	ASTM - fuel B, 5 h/TR (Room temper.)		≤ 5
Certificates			-