

thoenes® BA110

Sealing material with good chemical resistance and suitable for higher mechanical stress.

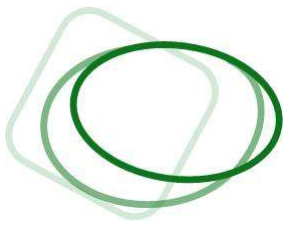
Basis:	Aramid fibre, NBR
Colour:	Green
Surface coating:	Standard - without non-stick coating On request - graphite, PTFE and non-stick coating
Certifications:	DIN-DVGW, ELL, WCs/ WRAS
Applications:	Very suitable, economical sealing material for gases, foodstuffs and for the chemical industry, shipbuilding, automotive and engine construction, optimal seal for boiler feed water.

Technical specifications (typical values at 2 mm thickness)

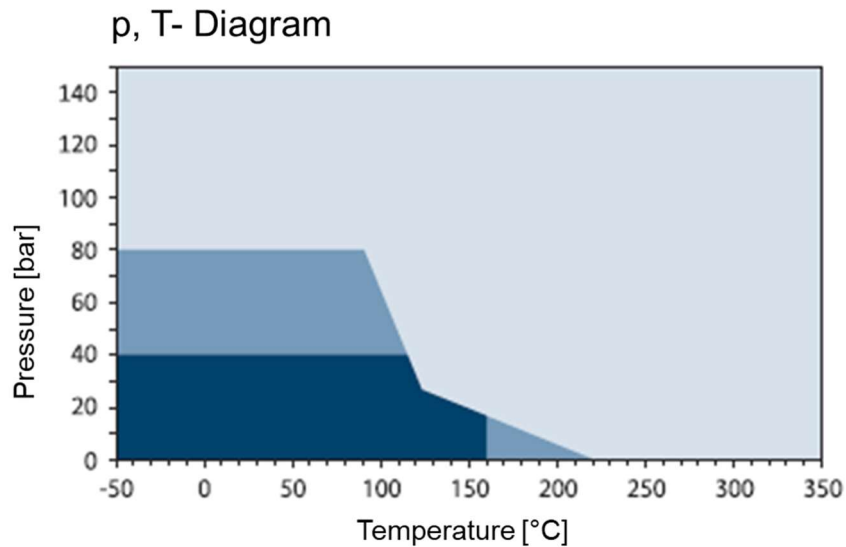
Description	DIN 28091-2		FA-A1-0
Density	DIN 28090-2	g/cm³	1,8
Compressibility	ASTM F 36/J	%	9
Resilience	ASTM F 36/J	%	55
Tensile Strength	DIN 52910	MPa	11
Pressure resistance	DIN 52913		
50 MPa, T= 175°C, 16 h		MPa	25
50 MPa, T= 300°C, 16 h		MPa	/
Media resistance in Oil IRM 903, 5 h, 150 °C	ASTM F 146		
Thickness increase		%	8
Media resistance in ASTM fuel B, 5 h, 23 °C	ASTM F 146		
Thickness increase		%	10
Specific leakage rate	DIN 3535/6	mg/m*s	< 0,07
Max. operating conditions			
Maximum temperature		°C	280
Continuous temperature		°C	220
Continuous temperature at steam		°C	180
Pressure		bar	80
Cold compression value ε_{KSW}	DIN 28090-2	%	8,5
Cold rebound value ε_{KRW}	DIN 28090-2	%	5,1
Warm setting value ε_{WSW/200 °C}	DIN 28090-2	%	25
Warm rebound value ε_{WRW/200°C}	DIN 28090-2	%	1,2
Reverse deformation value R	DIN 28090-2	mm	0,0283

Dimensions:	Plate sizes *	1500 mm x 1500 mm; 3000 mm x 1500 mm; 4500 mm x 1500 mm
	Thickness *	0,5 mm; 1,0 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 suitability – Appropriate measures ensure maximum performance for joint design and gasket installation. Technical consultation is recommended.
- Limited suitability – Technical consultation is mandatory.