

Gaskets

Fibre sealings

thoenes



thoenes BA130

The gasket material sheet has been specially developed for demanding applications where only low bolt loads permissible and flange irregularities need to be compensated. It offers a high compressibility and an increased recovery in addition to improved mechanical and thermal performances. It can be used for sealing mineral oils, fuels, lubricants refrigerants, steam, air and many other media.

Basis: Synthetic fibre, special fillers, NBR

Colour: Red

Surface coating: Standard - without non-stick coating

On request - graphite, PTFE and non-stick coating

Certifications: DVGW DIN 3535-6, ELL, EC 1935/2004

Applications: It can be used for sealing mineral oils, fuels, lubricants refrigerants,

steam, air and many other media.

Technical specifications (typical values at 2 mm thickness)

Density		DIN 28090-2	g/cm³	1.5
Compressibility		ASTM F 36/J	%	25
Resilience		ASTM F 36/J	%	64
Tensile Strength		DIN 52910	MPa	6
Pressure resistance		DIN 52913		
50 MPa, T= 175°C, 16 h			MPa	30
50 MPa, T= 300°C, 16 h			MPa	20
Media resistance in	Oil IRM 903, 5 h, 150 °C	ASTM F 146		
Thickness increase			%	2
Media resistance in	n ASTM fuel B, 5 h, 23 °C	ASTM F 146		
Thickness increase			%	6
Specific leakage rate		DIN 3535/6	mg/m*s	0.002
Max. operating condition	ons			
Maximum temperature			°C	350
Continuous temperature			°C	250
Continuous temperature at steam			°C	200
Pressure			bar	100
Cold compression value ε κsw		DIN 28090-2	%	18.4
Cold rebound value ε KRW		DIN 28090-2	%	10
Warm setting value ε wsw/200 °c		DIN 28090-2	%	14.6
Warm rebound value ε WRW/200°C		DIN 28090-2	%	1.6

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 $< 1 \text{mm} \pm 0.1 \text{mm}$ respectively $\geq 1 \text{ mm} \pm 10\%$

Length tolerance ± 5 % Width tolerance ± 5 % Thickness above 1 mm ± 10 %

^{*} Different sizes and thicknesses on request

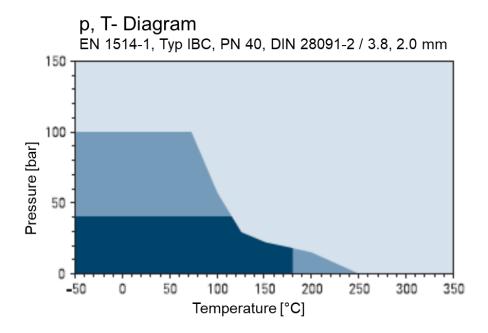




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Recommendations for use



- 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.