

# 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.

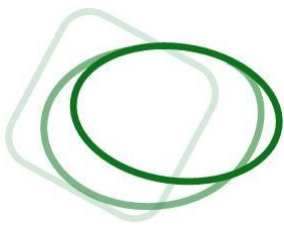
<b>Basis:</b>	Synthetic fibre, special fillers, NBR
<b>Colour:</b>	Red
<b>Surface coating:</b>	Standard - without non-stick coating On request - graphite, PTFE and non-stick coating
<b>Certifications:</b>	DVGW DIN 3535-6, ELL, EC 1935/2004
<b>Applications:</b>	It can be used for sealing mineral oils, fuels, lubricants refrigerants, steam, air and many other media.

## Technical specifications (typical values at 2 mm thickness)

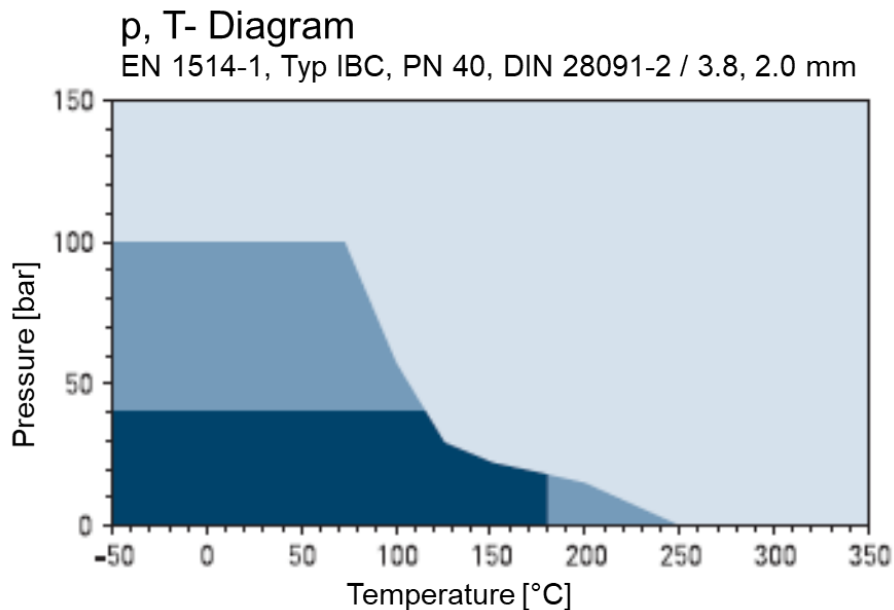
<b>Density</b>	DIN 28090-2	g/cm <sup>3</sup>	1.5
<b>Compressibility</b>	ASTM F 36/J	%	25
<b>Resilience</b>	ASTM F 36/J	%	64
<b>Tensile Strength</b>	DIN 52910	MPa	6
<b>Pressure resistance</b>	DIN 52913		
50 MPa, T= 175°C, 16 h		MPa	30
50 MPa, T= 300°C, 16 h		MPa	20
<b>Media resistance in Oil IRM 903, 5 h, 150 °C</b>	ASTM F 146		
Thickness increase		%	2
<b>Media resistance in ASTM fuel B, 5 h, 23 °C</b>	ASTM F 146		
Thickness increase		%	6
<b>Specific leakage rate</b>	DIN 3535/6	mg/m*s	0.002
<b>Max. operating conditions</b>			
Maximum temperature		°C	350
Continuous temperature		°C	250
Continuous temperature at steam		°C	200
Pressure		bar	100
<b>Cold compression value <math>\epsilon_{KSW}</math></b>	DIN 28090-2	%	18.4
<b>Cold rebound value <math>\epsilon_{KRW}</math></b>	DIN 28090-2	%	10
<b>Warm setting value <math>\epsilon_{WSW/200\text{ °C}}</math></b>	DIN 28090-2	%	14.6
<b>Warm rebound value <math>\epsilon_{WRW/200\text{ °C}}</math></b>	DIN 28090-2	%	1.6

<b>Dimensions:</b>	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 $\pm 0.1$ mm respectively $\geq 1$ mm $\pm 10\%$
	Length tolerance	$\pm 5$ %
	Width tolerance	$\pm 5$ %
	Thickness above 1 mm	$\pm 10$ %

\* 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.