

# NA-jointing-sheet TEADIT NA-1100

## Description:

TEADIT style NA-1100 is a universal jointing sheet with high temperature and pressure resistance, manufactured from graphite and carbon fibre, bonded with Nitrile rubber (NBR). It is manufactured by means of a hot calender process under rigorous quality control standards which are registered and certified under ISO 9001.

## Application / service:

TEADIT style NA-1100 is suitable for sealing petroleum derivatives, water, saturated steam, solvents, gases and chemical products in general.

## Typical physical properties:

Test	Properties	Value
ASTM F 36	Compressibility	5-15 %
ASTM F 36	Recovery	>50 %
<b>ASTM F 146</b>	<b>Weight increase:</b>	
	ASTM oil/Nr.3, 5 h/300 °F (150 °C)	<15 %
	ASTM Fuel B, 5 h/77 °F (25 °C)	<15 %
<b>ASTM F 146</b>	<b>Thickness increase:</b>	
	ASTM oil/Nr.3, 5 h/300 °F (150 °C)	<15 %
	ASTM Fuel B, 5 h/77 °F (25 °C)	<15 %
ASTM F 152	Tensile strength (transverse)	15 N/mm <sup>2</sup>
-	Density	app. 1,65 g/cm <sup>3</sup>

## Product standard:

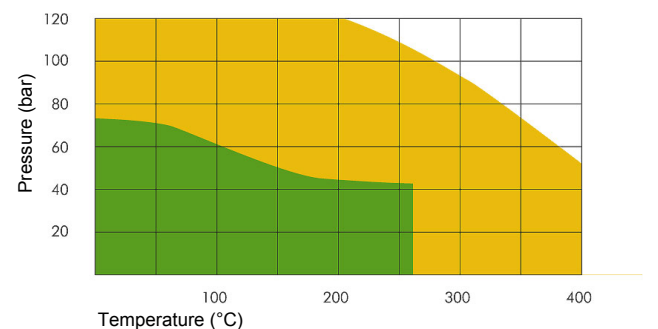
- Thickness: 1.0 / 1.5 / 2.0 / 2.5 and 3.0 mm
- Sheet size: 1.500 x 1.600 mm and 1.500 x 3.200 mm

## Technical data:

- Peak temperature: +450 °C
- Constant temperature: +270 °C
- Peak pressure: 130 bar
- Constant working pressure: 70 bar
- Color: black

## Tests & Approvals:

- TA-Luft
- DVGW
- Blow-Out VDI 2200
- KTW
- ABS



The P x T diagram above indicates the service limits for NA-1100 considering the simultaneous influence of pressure and temperature (chemical suitability assumed). The green area represents the normal service limits, while the orange colored area shows the maximum application limits. For those cases, please consult our technical department.