

# NA-jointing-sheet TEADIT NA-1005

## Description:

**TEADIT style NA-1005** is a compressed non-asbestos jointing-sheet material produced from Aramid fibres, bonded with Nitrile Rubber (NBR). It is being manufactured by means of a hot calender process under rigorous quality control standards which are registered under ISO 9001 certification.

## Application / service:

**TEADIT style NA-1005** is indicated for air, brine, water, low pressure steam, organic and weak inorganic acids, diluted and concentrated alkalis, petroleum derivatives, synthetic and vegetable oils, aliphatic and chlorinated solvents, refrigerants, gases and chemical products in general.

## Typical physical properties:

Test	Properties	Values
ASTM F 36	Compressibility	7-17 %
ASTM F 36	Recovery	>45 %
ASTM F 38	Creep relaxation	25 %
ASTM F 37A	Sealability at 1000 psi	0,25 ml/h
<b>ASTM F 146 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 Thickness increase:</b>		
ASTM oil/Nr. 3, 5 h/300 °F (150 °C)		<12 %
ASTM Fuel B, 5 h/77 °F (25 °C)		<10 %
ASTM F 152	Tensile strength, transverse	11,5 N/mm <sup>2</sup>
DIN 52913	Residual Stress	28 N/mm <sup>2</sup>
-	Density	app. 1,75 g/cm <sup>3</sup>

## Product standard:

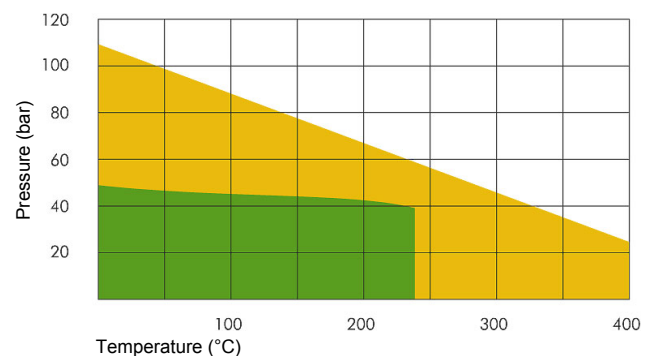
- Thickness: 0.5 / 1.0 / 1.5 / 2.0 / 2.5 and 3.0 mm
- Sheet size: 1.500 x 1.600 mm, 1.500 x 3.200 mm

## Technical data:

- Peak temperature: +400 °C
- Constant temperature: +240 °C
- Peak pressure: 110 bar
- Constant working pressure: 50 bar
- Color: blue (other colors on request)

## Tests & Approvals:

- KTW
- ABS



The P x T diagram above indicates the service limits for **NA-1005** 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.