

NA-jointing-sheet TEADIT NA-1005

Description:

TEADIT style NA-1005 is a compressed non-asbestos jointing-sheet material produced from a blend of aramid and other synthetic fibers bonded with Nitrile Rubber (NBR). NA-1005 is a general purpose material with very good mechanical, temperature and chemical properties. It is being manufactured by means of a hot calender process. TEADIT maintains a quality management system that is certified according to DIN EN ISO 9001.

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
ASTM F 146 Weight increase:		
	ASTM oil/Nr.3, 5 h/300 °F (150 °C)	< 15 %
	ASTM Fuel B, 5 h/77 °F (25 °C)	< 15 %
ASTM F 146 Thickness increase:		
	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 ²
DIN 52913	Residual Stress	28 N/mm ²
-	Density	app.1,75 g/cm ³

Product standard:

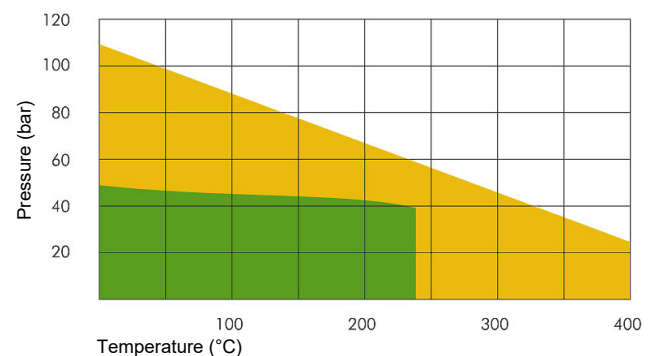
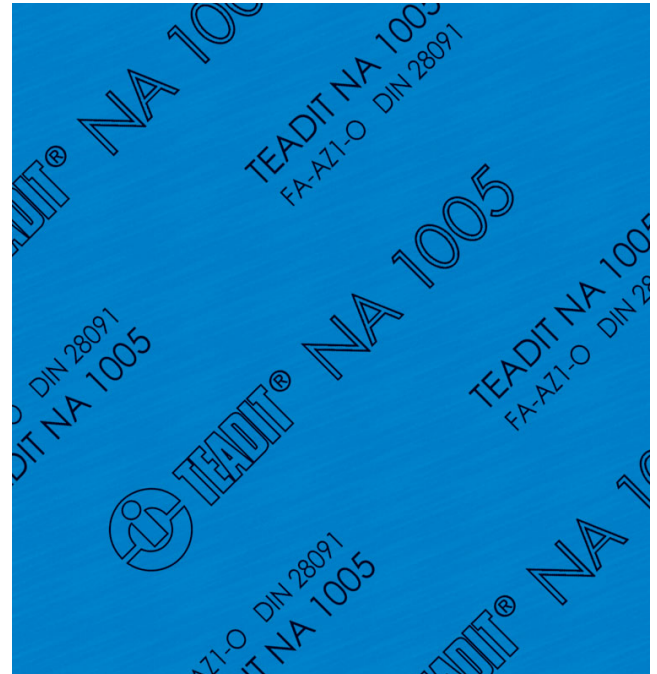
- Thickness: 0.5 / 1.0 / 1.5 / 2.0 / 2.5 and 3.0 mm
- Sheet size: 1.500 x 1.600 mm, 1.500 x 3.200 mm

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:

- ABS
- ISO 19221 Flame resistance
- WRAS



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.

Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences TEADIT® has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. TEADIT® does not undertake any liability of any kind whatsoever. Please note: the color of the actual product might vary from the above image on this data-sheet.

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