

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 % |
| 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) | <15 % |
| | ASTM Fuel B, 5 h/77 °F (25 °C) | <15 % |
| ASTM F 152 | Tensile strength (transverse) | 15 N/mm ² |
| - | Density | app. 1,65 g/cm ³ |

Product standard:

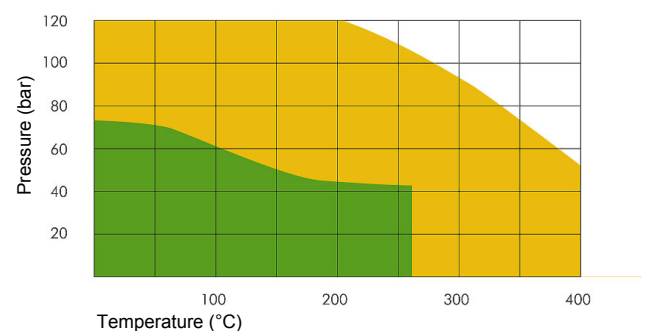
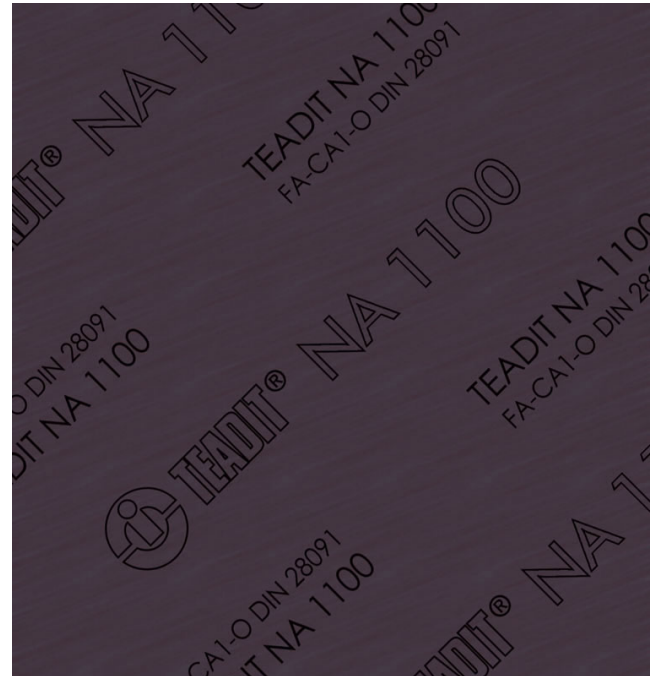
- Thickness: 1.0 / 1.5 / 2.0 / 2.5 and 3.0 mm
- Sheet size: 1.500 x 1.600 mm and 1.500 x 3.200 mm

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
- 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.

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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