

novaflon[®] 300

Material profile:

- Gasket material made of modified PTFE filled with silica
- Universal media resistance

Typical applications:

- Chemical and petrochemical industry

Supply data:

- Sheet sizes in mm: 1500x1500
- Thickness in mm: 1.50 / 2.00 / 3.00

| General data | Approvals: | FDA / TA Luft / BAM / DVGW / GL | | |
|---|--|---------------------------------------|----------------------|----------------------|
| | Colour: | fawn | | |
| | Branding: | novaflon 300 with Frenzelit honeycomb | | |
| | Tolerances in thickness: | acc. DIN 28091-1 | | |
| Physical properties (Gasket thicken. 2.00 mm) | Property | Standard | Unity | Value * |
| | Identification | DIN 28 091-3 | | TF - M - O |
| | Density | DIN 28 090-2 | [g/cm ³] | 2.10 |
| | Tensile strength | DIN 52 910 | [N/mm ²] | 17 |
| | Residual stress $\sigma_{dE/16}$ 150 °C, 30 N/mm ² , 16h | DIN 52 913 DIN 52 913 | [N/mm ²] | 16 |
| | Compressibility | ASTM F 36 J | [%] | 5 |
| | Recovery | ASTM F 36 J | [%] | 45 |
| | Cold compressibility ϵ_{KSW} | DIN 28 090-2 | [%] | 3 |
| | Cold recovery ϵ_{KRW} | DIN 28 090-2 | [%] | 1 |
| | Hotcreep $\epsilon_{WSW/150}$ | DIN 28 090-2 | [%] | 20 |
| | Hot recovery $\epsilon_{WRW/150}$ | DIN 28 090-2 | [%] | 3 |
| | Specific leakage rate | DIN 3535-6 | [mg/(m.s)] | ≤ 0.015 |
| | Specific leakage rate acc. TA Luft Helium, 1 bar, 30 MPA | VDI 2440 / TA Luft | [mbar.l/(s.m)] | 5.4*10 ⁻⁷ |

* = Mode (typical value)

Issue: 07.10

Modifications: 5

Supersedes all prior versions

The technical data stated has been determined with standard material under laboratory conditions. With the variety of installation and operating conditions no guarantee claim can be inferred regarding the behaviour of a flanged joint.

We reserve the right to product changes which serve the purpose of technical progress.