

novaflon® 500

Material profile:

- Gasket material made of 100 % multi-directionally expanded PTFE
- Universal media resistance

Typical applications:

- General and chemical industry
- Food & Beverage industry
- Pharmaceutical Industry

Supply data:

- Sheet sizes in mm: 1500 x 1500
- Thickness in mm: 0.50 - 9.00

General data	Approvals:	TA Luft / FDA / GL		
	Colour:	white		
	Branding:	n/a		
	Tolerances in thickness:	acc. DIN 28091-1		
Physical properties (Gasket thicken. 2.00 mm)	Property	Standard	Unity	Value *
	Identification	DIN 28 091-3		TF - O - O
	Density	DIN 28 090-2	[g/cm ³]	0.90
	Tensile strength	DIN 52 910	[N/mm ²]	26
	Residual stress $\sigma_{dE/16}$ 150 °C, 30 N/mm ² , 16h	DIN 52 913 DIN 52 913	[N/mm ²]	18
	Compressibility	ASTM F 36 J	[%]	50
	Recovery	ASTM F 36 J	[%]	10
	Cold compressibility ϵ_{KSW}	DIN 28 090-2	[%]	40
	Cold recovery ϵ_{KRW}	DIN 28 090-2	[%]	3
	Hotcreep $\epsilon_{WSW/150}$	DIN 28 090-2	[%]	15
	Hot recovery $\epsilon_{WRW/150}$	DIN 28 090-2	[%]	2
	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)]	1.2*10 ⁻⁶

* = Mode (typical value)

Issue: 07.10

Modifications: 3

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.