

novapress[®] UNIVERSAL

Material profile:

- Oil resistant gasket material for many different applications with good stress relaxation and low compression set even above 150 °C.

Typical applications:

- Pipes in the general chemical industry, the plant
- apparatus and machine-building industries
- food and beverage industry

Supply data:

- Sheet sizes in mm: 1000x1500 / 1500x1500 / 3000x1500
- Thickness in mm: 0.30 / 0.50 / 0.75 / 1.00 / 1.50 / 2.00 / 3.00 / 4.00
- Special sheet sizes upon request
- Other thicknesses upon request

General data	Binders:	NBR		
	Approvals:	DVGW / SVGW / HTB / KTW / WRAS / TA Luft / BAM (max. 80 °C/100bar) / W270 / GL		
	Anti-stick coating:	both sides PTFE		
	Colour:	both sides light-green		
	Sheet size and thickness tolerance:	acc. DIN 28 091-1		
Physical properties (Gasket thicken. 2.00 mm)	Property	Standard	Unity	Value *
	Density		DIN 28 090-2	[g/cm ³]
Tensile strength	longitudinal	DIN 52 910	[N/mm ²]	27
	transverse		[N/mm ²]	10
Residual stress $\sigma_{dE/16}$	175 °C	DIN 52 913	[N/mm ²]	39
	300 °C		[N/mm ²]	25
Compressibility		ASTM F 36 J	[%]	6
Recovery		ASTM F 36 J	[%]	60
Cold compressibility ϵ_{KSW}		DIN 28 090-2	[%]	6.0
Cold recovery ϵ_{KRW}		DIN 28 090-2	[%]	3.0
Hot creep $\epsilon_{WSW/200}$		DIN 28 090-2	[%]	5.5
Hot recovery $\epsilon_{WRW/200}$		DIN 28 090-2	[%]	2.0
Recovery R		DIN 28 090-2	[mm]	0.040
Specific leakage rate		DIN 3535-6	[mg/(m·s)]	≤ 0.100
Specific leakage rate $\lambda_{2,0}$		DIN 28 090-2	[mg/(m·s)]	0.100
Fluid resistance		ASTM F 146		
	<u>ASTM IRM903</u>	5h/150 °C		
	Weight change		[%]	6
	Thickness increase		[%]	2
	<u>ASTM Fuel B</u>	5h/23 °C		
	Weight change		[%]	7
	Thickness increase		[%]	6
Leachable Chloride content		FZT PV-001-133	[ppm]	≤ 150

* = Mode (typical value)

Issue: 07.10

Modifications: 15

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.