

novapress[®] FLEXIBLE/815

Material profile:

- Gasket material highly resistant to oils and fuels with extraordinary tightness, excellent adaptability and elasticity

Typical applications:

- gas and water supply
- plant and apparatus construction
- pipeline construction

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 / BAM (max. 75°C / 100 bar) / HTB / GL				
	Anti-stick coating:	non standard				
	Colour:	one side green, one side natural coloured				
	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]	1.50		
	Tensile strength	longitudinal	DIN 52 910	[N/mm ²]	26	
				transverse	[N/mm ²]	9
	Residual stress $\sigma_{dE/16}$	175 °C	DIN 52 913	[N/mm ²]	30	
				300 °C	[N/mm ²]	19
	Compressibility	ASTM F 36 J	[%]	10		
	Recovery	ASTM F 36 J	[%]	64		
	Cold compressibility ϵ_{KSW}	DIN 28 090-2	[%]	9.0		
	Cold recovery ϵ_{KRW}	DIN 28 090-2	[%]	4.0		
	Hot creep $\epsilon_{WSW/200}$	DIN 28 090-2	[%]	16.0		
	Hot recovery $\epsilon_{WRW/200}$	DIN 28 090-2	[%]	2.5		
	Recovery R	DIN 28 090-2	[mm]	0.050		
	Specific leakage rate	DIN 3535-6	[mg/(m·s)]	0.050		
	Specific leakage rate $\lambda_{2,0}$	DIN 28 090-2	[mg/(m·s)]	0.020		
	Fluid resistance	ASTM F 146				
	<u>ASTM IRM903</u>	5h/150 °C				
	Weight change		[%]	9		
	Thickness increase		[%]	3		
<u>ASTM Fuel B</u>	5h/23 °C					
Weight change		[%]	11			
Thickness increase		[%]	5			
Leachable Chloride content	FZT PV-001-133	[ppm]	≤ 150			

* = Mode (typical value)

Issue: 07.10

Modifications: 16

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.