Technical Data Sheet

Frenzelit

novapress® BASIC

Material profile:
- Universally-applicable gasket material for standard applications for liquid and gaseous media

Typical applications:
- Sanitary applications (gas and water supply)
- pipe line construction
- plant and maschine building 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 / VP-401 / WRAS / W270 / GL		
	Anti-stick coating:	serially one side anti-stick coating		
	Colour:	both sides orange		
	Sheet size and thickness tolerance:	acc. DIN 28 091-1		
Physical properties (Gasket thickn. 2.00 mm)	**Property**	**Standard**	**Unity**	**Value ***
	Density	DIN 28 090-2	[g/cm³]	1.70
	Tensile strength	DIN 52 910		
	longitudinal		[N/mm²]	14
	transverse		[N/mm²]	6
	Residual stress $\sigma_{dE/16}$	DIN 52 913		
	175°C		[N/mm²]	28
	300°C		[N/mm²]	18
	Compressibility	ASTM F 36 J	[%]	6
	Recovery	ASTM F 36 J	[%]	55
	Cold compressibility ε_{KSW}	DIN 28 090-2	[%]	8.0
	Cold recovery ε_{KRW}	DIN 28 090-2	[%]	3.0
	Hot creep $\varepsilon_{WSW/200}$	DIN 28 090-2	[%]	22.0
	Hot recovery $\varepsilon_{WRW/200}$	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		
	ASTM IRM903	5h/150°C		
	Weight change		[%]	7
	Thickness increase		[%]	2
	ASTM Fuel B	5h/23°C		
	Weight change		[%]	9
	Thickness increase		[%]	5
	Leachable Chloride content	FZT PV-001-133	[ppm]	≤ 150

* = Mode (typical value)

Issue: 07.10

Modifications: 18

Supersedes all prior versions

The technical data stated has been determined with standard material under laboratroy 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.

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