

Gasket materials

Novapress® 300 | FS 30083

Composition: Novapress® 300 | FS 30083 is made of high-quality aramid fibres and special functional fillers with NBR. Furthermore Novapress® 300 | FS 30083 is coated with PTFE on both-sides.

Properties: Novapress® 300 | FS 30083 characterizes by good tensile strength, high pressure resistance, very low gas leakage and very good oil resistance. Novapress® 300 | FS 30083 is certified according to DVGW, SVGW, HTB, KTW, WRAS, BAM (up to max. 60°C/130 bar) and TA air.

Applications: Novapress® 300 | FS 30083 can be used for the pipeline construction, the chemical industry, plant-, machine- and apparatus construction as well as for the food industry. Furthermore it can also be used for other applications with high requirements to temperature and pressure stress as well as uncritical gas and liquid media.

Standard colour: Novapress® 300 | FS 30083 is delivered in a light green colour.

Delivery form: Novapress® 300 | FS 30083 is delivered in different forms of 1000 mm up to 3000 mm x 1500 mm as well as in the thickness area of 0.3 mm up to 4.0 mm. Further formats and thicknesses on request.

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Property	Test method	Unit	Value
Density	DIN 28 090-2	g/cm ³	1.80
Tensile strength Vertical Crosswise	DIN 52 910	N/mm ²	27 10
Pressure resistance 175°C 300°C	DIN 52 913	N/mm ²	39 25
Compressibility	ASTM F 36 J	%	6
Recovery	ASTM F 36 J	%	60
Cold compression value	DIN 28 090-2	%	6
Cold recovery value	DIN 28 090-2	%	3
Warm compression value	DIN 28 090-2	%	5.5
Warm recovery value	DIN 28 090-2	%	2
Recovery value R	DIN 28 090-2	mm	0.040
Specific leakage rate	DIN 3535-6	mg/(s x m)	≤ 0.100
Specific leakage rate $\lambda_{2,0}$	DIN 28 090-2	mg/(s x m)	0.100
Chemical resistance 5h/150°C Weight change Thickness change	ASTM IRM 903	%	6 2
Chemical resistance 5h/23°C Weight change Thickness change	ASTM Fuel B	%	7 6
Chloride content (water-soluble)	FZT PV-001-133	ppm	≤ 150

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Trademarkinformation: Novapress® is a registered trademark of company Frenzelit-Werke GmbH & Co. KG

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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