

Novatec Premium® XP



Description

Aramid fiber (Kevlar®) in combination with graphite, NBR bound.

Technical properties

- allround
- form retaining
- high density
- temperature resistant
- anti stick

Application

- Low- and medium pressured steam and multiple chemical applications
- Very user-friendly
- Resistant to oils and greases, acids and alkalines, solvents, coolants, water and steam

Chemical resistance, pressure and temperature

Max pressure 100 bar. Min temperature -50°C.
Max temperature 250°C.

Supply programme

- Fibreboards available in 2000 x 1500 mm and thickness 1,0 / 1,5 / 2,0 / 3,0 mm.
- Gaskets according to EN(DIN) and ASME norm are available from stock. Besides that it is possible to cut or punch virtually any special shape or size from a sheet.

Approvals and certificates

- BAM
- DVGW
- EC 1935/2004
- GL
- KTW
- SVGW
- TA Lüft
- WRC
- WRAS
- W270

Table 1: Technical data*

Gasket factor	Norm	Value thickness 2 mm	Unit
Min. surface pressure σ_{vu}	DIN 28090	10	MPa
Max. surface pressure σ_{vo}	DIN 29090	120	MPa
Minimum temperature		-50	°C
Maximum temperature		+250	°C
Compression	ASTM F 36 J	6	%
Recovery	ASTM F 36 J	60	%
Max. applicable pressure*		100	bar
Density		1,74	g/cm ³
Specific leak-tightness	DIN 3535-6	≤0,05	mg/(s*m)
Residual surface pressure	DIN 52 913 300 °C	30	MPa
Chloride content		≤50	ppm
Swelling Oil No. 3 / Fuel B	ASTM F 146		
Mass gain		8	%
Thickness gain		5	%
M		2,5	
Y		725	PSI

* Depending on temperature en construction.

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