

Clipperlon 2120

Modified PTFE



Description

PTFE gaskets offer outstanding chemical stability, which makes them ideally suited for use in the chemical industry. In addition, a majority of PTFE products are FDA approved which makes them perfect for use in the food and pharmaceutical industries.

The Clipperlon 2120 is a very dense material with low compressibility, high recovery and low creep properties. The gasket has an off-white colour and is produced with Modified PTFE containing barium sulfate filler.

Sealing Characteristics

- Excellent seal ability;
- Outstanding chemical resistance;
- Significant reduced creep (non-cold flow);
- Low leak rate;
- Good electrical insulation properties;
- Non ageing.

Application

Applications can be found in chemical, pharmaceutical, food and beverage and general industry. The Clipperlon 2120 is highly suited for use in applications with hydrofluoric acid and a wide variety of different media across the PH-range.

Chemical compatibility, pressure and temperature

Particularly suitable for use with hydrofluoric acid, but not pure hydrogen fluoride. Best for use with strong alkalis, solvents, fuels, water, steam and chlorine.

Other applications include solvents, fuels, water, oil, chlorine and caustics. A chemical resistance list is available upon request.

Pressure up to 85 bar

Temperature from -240 °C up to 260 °C

Delivery options

Flange gaskets and sheets are available in thickness of 0,5/0,8/1/1,6/2/3/4,8/6,4mm. Standard gaskets can be supplied in accordance with ASME B16.21, EN12560-1 as well as EN1514-1. Non-standard or special gaskets can be manufactured according to customer drawings, or by given sizes or Edrawing.

Approvals and Certificates

TA-Luft

FDA 21 CFR 177.1550

EC1935 (10/2011)

Table 1: Technical data

	Norm	Value	Unit
Minimal initial stress	DIN 28090-1	20	MPa
Maximum initial stress	DIN 28090-1	150	MPa
Minimum temperature		-210	°C
Maximum temperature		260	°C
Compression	ASTM F36	4-8	%
Recovery	ASTM F36	40	%
Maximum pressure**		85	bar
Density		2,8	g/cm ³
Gas Permeability	DIN 3535/6	0,04	cm ³ /min
Specific Leak Rate	DIN28090 - 2	0,001	mg/(s*m)
M-Factor		3	
Y-Factor		2450	PSI
Creep relaxation	ASTM F 38	21	%

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