

Leader Clipperlon 2120

Modified PTFE Gaskets



DESCRIPTION

Modified PTFE gasket material containing biaxial orientated chains to obtain a tight seal for demanding applications. Clipperlon 2120 is a very dense material with low compressibility, high recovery and low creep properties. Off-white in color and produced with Modified PTFE and barium sulfate filler. Clipperlon 2120 particularly suitable for use with hydrofluoric acid and chlorine applications and a wide variety of different media across the whole pH-range. Due to the high density this material is highly recommended for applications with monomers to avoid the 'popcorning' effect. This effect will be result when the monomer enters the microvoids of the PTFE

APPLICATION

Particularly suitable for use with hydrofluoric acid and a wide variety of different media across the whole pH-range. Applications can be found in chemical, pharmaceutical, food and beverage and general industry. Due to the high density this material is highly

recommended for applications with monomers to avoid the 'popcorning' effect. This effect will be result when the monomer enters the microvoids of the PTFE.

CHEMICAL COMPATIBILITY

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.

DELIVERY OPTIONS

Flange gaskets and sheets are available in thickness of 1/32", 1/16", 1/8", 0,5mm, 1mm, 1,5mm, 2mm and 3mm. Other thicknesses available on request. 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.

TEMPERATURE

Particularly suitable for temperature from - 240 °C up to 260 °C.

APPROVALS & CERTIFICATES

- FDA 21 CFR 177.1550
- TA-Luft
- EC1935 (10/2011)
- Chlorine Institute service class I & IV of Pamphlet 95, Edition 5
- TA-Luft
- EC1935 (10/2011)
- FDA 21 CFR 177.1550

SEALING CHARACTERISTICS

- excellent sealability
- non ageing
- significant reduced creep (non-cold flow)
- low leak rate
- good electrical insulation properties
- outstanding chemical resistance

TECHNICAL DATA

max Temperature [°C]	260
min Temperature [°C]	-240
max Pressure [bar]	85
density [g/cm ³]	2.8
Leakage Specific Leak Rate [DIN 28090-2] [mg/(s*m)]	0.01
Minimum initial stress [DIN E 2505 part 2] [N/mm ²]	20

LOCATIONS

850 Sense Road LA PORTE, TX 77571, USA GLOBAL HEADQUARTERS

8622 South Choctaw Drive BATON ROUGE, LA, USA 70815

Purnovicka cesta 1026, 01401 BYTCA, Republic of Slovakia EUROPE HEADQUARTERS

PHONE

+1 281 542 0600

+1 225 275 8000

+421 41 553 2686

FAX

+1 281 542 5552

+1 225 273 9073

+421 41 553 2895

TECHNICAL DATA

Maximum initial stress [DIN E 2505 part 2] [N/mm ²]	150
M-Value	3.5
Y- Value [psi]	2450
min Seating stress [Qmin(L 0,01), mg/(s*m)] at RT 40 bar [N/mm ²]	32
ASTM F36 Recovery [% min]	40
Gasket required flange roughness [Ra micron]	3,2-6,3
Gasket required flange roughness [RMS]	125-250
max Seating stress [Qsmax bei RT EN13555] [n/mm ²]	100
Relaxation PQR (30 MPA 150°C) [%]	0.48
Residual seating stress , [QA=40 MPA,Qmin(L 0,01), mg/(s*m)] bei RT 40 bar [N/mm ²]	10
Tensile Strength (quer) DIN 52910 [N/mm]	>= (13) 1885
ROTT [Gb]	432
ROTT [a]	0.318
ROTT [Gs]	0.964

LOCATIONS

850 Sense Road LA PORTE, TX 77571, USA GLOBAL HEADQUARTERS

8622 South Choctaw Drive BATON ROUGE, LA, USA 70815

Psurnovicka cesta 1026, 01401 BYTCA, Republic of Slovakia EUROPE HEADQUARTERS

PHONE

+1 281 542 0600

+1 225 275 8000

+421 41 553 2686

FAX

+1 281 542 5552

+1 225 273 9073

+421 41 553 2895