



## 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. Pressure up to 1200 psi Temperature from -450 F up to 500 F

#### 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

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#### SEALING CHARACTERISTICS

- 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 <sup>3</sup> ]	2.8
Leakage Specific Leak Rate [DIN 28090-2] [mg/(s*m)]	0.01
Minimum initial stress [DIN E 2505 part 2] [N/mm <sup>2</sup> ]	20
Maximum initial stress [DIN E 2505 part 2] [N/mm <sup>2</sup> ]	150
M-Value	3.5

#### LOCATIONS

905 W.13th Street DEER PARK, TX 77536, USA GLOBAL HEADQUARTERS

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## TECHNICAL DATA

Y- Value [psi]	2450
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/mm2]	100
Tensile Strength (quer) DIN 52910 [N/mm]	>= (13) 1885
ROTT [Gb]	432
ROTT [a]	0.318
ROTT [Gs]	0.964

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