

Leader Clipperlon 2100

Modified PTFE Gaskets



DESCRIPTION

Modified PTFE sheet manufactured with biaxial oriented longer molecule chains specially designed for high demanding applications. Due to this specific material structure and special manufacturing process a low creep properties are achieved. Fawn in color and produced with Modified PTFE and Solid Silica Beads as a filler.

APPLICATION

A general purpose gasket material for sealing applications across the whole pH-range, reduced creep and good sealability at low stress.

CHEMICAL COMPATIBILITY

Particularly suitable for use with strong acids (except hydrofluoric acid) and alkalis. Other applications include solvents, fuels, water, steam

and chlorine. A chemical resistance list 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

- EC1935 (10/2011)
- TA-Luft
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SEALING CHARACTERISTICS

- non ageing
- excellent seal ability
- good electrical insulation properties
- significant reduced creep
- outstanding chemical resistance
- excellent seal ability
- low leak rate

TECHNICAL DATA

max Temperature [°C]	260
min Temperature [°C]	-240
max Pressure [bar]	85
density [g/cm ³]	2.2
Leakage Specific Leak Rate [DIN 28090-2] [mg/(s*m)]	0.01
Minimum initial stress [DIN E 2505 part 2] [N/mm ²]	16
Maximum initial stress [DIN E 2505 part 2] [N/mm ²]	120
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]	16
ASTM F36 Recovery [% min]	40
Gasket required flange roughness [Ra micron]	3,2-6,3

LOCATIONS

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

8622 South Choctaw Drive BATON ROUGE, LA, USA 70815

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TECHNICAL DATA

Gasket required flange roughness [RMS]	125-250
max Seating stress [Qsmax bei RT EN13555] [N/mm ²]	120
Relaxation PQR (30 MPA 150°C) [%]	0.73
Residual seating stress , [QA=40 MPA,Qmin(L 0,01), mg/(s*m)] bei RT 40 bar [N/mm ²]	8
Tensile Strength (quer) DIN 52910 [N/mm]	>= (13) 1885
ROTT [Gb]	495
ROTT [a]	0.301
ROTT [Gs]	5.87

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