

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. 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

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

APPROVALS & CERTIFICATES

- FDA 21 CFR 177.1550
- TA-Luft
- EC1935 (10/2011)
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SEALING CHARACTERISTICS

- significant reduced creep
- low leak rate
- good electrical insulation properties
- outstanding chemical resistance
- Non-ageing
- excellent sealability

TECHNICAL DATA

max Temperature [°F]	500
max Pressure [psi]	1200
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]	20
Maximum initial stress [DIN E 2505 part 2] [N/mm ²]	160
M-Value	3.5
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

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

max Seating stress [Qsmax bei RT EN13555] [n/mm2]	120
Tensile Strength (quer) DIN 52910 [N/mm]	>= (13) 1885
Advice Seating stress at assembly [psi]	5000
ROTT [Gb]	495
ROTT [a]	0.301
ROTT [Gs]	5.87
compressability, [ASTM F36], [%]	7-10
ASTM F37 Sealability [ml/min] Sg=1000 psi=30	0.21
ASTM F38 Creep Relaxation [%]	15
ASTM F152 Average Tensile [psi]	2000

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