

Leader Clipperlon 2110

Modified PTFE Gaskets



DESCRIPTION

Modified PTFE gasket material manufactured with bi-axial orientated chains to obtain a tight seal for demanding applications. This material has a rather high compressibility characteristics and low minimum seating stress value. Therefore this material is highly recommended for low torque applications, plastic pipe systems and flanges, as well as glass and ceramic lined equipment. Blue in color and produced with Modified PTFE and hollow glass micro spheres as a filler.

APPLICATION

Specially designed for use in low bolt loaded constructions for sealing applications across whole pH-range: Therefore extremely suitable for glass, ceramics, and plastic lined or distorted flanges and even flanges with light surface irregularities.

CHEMICAL COMPATIBILITY

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

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

TECHNICAL DATA

max Temperature [°C]	260
min Temperature [°C]	-240
max Pressure [bar]	55
density [g/cm ³]	1.7
Leakage Specific Leak Rate [DIN 28090-2] [mg/(s*m)]	0.02
Minimum initial stress [DIN E 2505 part 2] [N/mm ²]	10
Maximum initial stress [DIN E 2505 part 2] [N/mm ²]	150
M-Value	3
Y- Value [psi]	1600
min Seating stress [Qmin(L 0,01), mg/(s*m)] at RT 40 bar [N/mm ²]	20

LOCATIONS

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

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TECHNICAL DATA

ASTM F36 Recovery [% min]	30
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) [%]	0.52
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]	458
ROTT [a]	0.3
ROTT [Gs]	5.37

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