Leader Clipperlon 2130

Modified PTFE Gaskets

TA-luft certified

DESCRIPTION

Homogeneous expanded PTFE sheet, which uses product geometry rather than fillers or binders to address concerns associated with traditional PTFE material

APPLICATION

2130 is designed for oxidizing application, harsh chemical environments and areas where contamination is a problem. 2130 is completely chemically inert and is suitable for sealing all chemicals across the pH range with the exception of molten alkali metals and fluorine gas.

CHEMICAL COMPATIBILITY

Patricularly suitable for use with hydrofluoric acid, but not pure hydrogen fluoride. Best for use with string alkalis, solvents, fuels, water, steam and chlorine. Other applications include solvents, fuels, water, oil, chlorine and caustics. A chemical resistance listis 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 ° up to 260 °C.

APPROVALS & CERTIFICATES

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

SEALING CHARACTERISTICS

- excellent sealability
- non ageing
- low leak rate
- good electrical insulation properties
- outstanding chemical resistance

TECHNICAL DATA	
max Temperature [°C]	260
min Temperature [°C]	-240
max Pressure [bar]	40
density [g/cm3]	0.8
Leakage Specific Leak Rate [DIN 28090-2] [mg/(s*m)]	0.01
Minimum initial stress [DIN E 2505 part 2] [N/mm2]	25
Maximum initial stress [DIN E 2505 part 2] [N/mm2]	160
M-Value	2.5
Y- Value [psi]	2900
min Seating stress [Qmin(L 0,01), mg/(s*m)] at RT 40 bar [N/mm2]	27
ASTM F36 Recovery [% min]	12
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]	230
Relaxation PQR (30 MPA 150°C) [%]	0.42
Residual seating stress , [QA=40 MPA,Qmin(L 0,01), mg/(s*m)] bei RT 40 bar [N/mm2]	10
ROTT [Gb]	1259
ROTT [a]	0.202
ROTT [Gs]	3.58

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