

Clipperlon 2135

Modified PTFE Gaskets



DESCRIPTION

APPLICATION

Steel and enamel flanges, Heat exchanger, Plant / Containers, For high surface stress, For highly aggressive media, For damaged sealing surfaces

CHEMICAL COMPATIBILITY

Particularly for use with aggressive chemicals from pH 0 to 14 (except for molten alkali metals and elemental fluorine gas)

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

Can be used from -240°C to approx. 270°C, depending on the installation and operating conditions

APPROVALS & CERTIFICATES

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

- low leak rate
- good electrical insulation properties
- excellent sealability
- non-ageing, good adaptability to surface irregularities
- outstanding chemical resistance

TECHNICAL DATA

max Temperature [°F]	500
max Temperature [°C]	270
density [g/cm ³]	0.9
Minimum initial stress [DIN E 2505 part 2] [N/mm ²]	26
Maximum initial stress [DIN E 2505 part 2] [N/mm ²]	160
M-Value	2
Y- Value [psi]	2800
ASTM F36 Recovery [% min]	>12
Gasket required flange roughness [Ra micron]	3,2-6,3
Gasket required flange roughness [RMS]	125-250
max Seating stress [Q _{smax} bei RT EN13555] [n/mm ²]	160
Relaxation PQR (30 MPA 150°C) [%]	0,78
Residual seating stress , [QA=40 MPA, Q _{min} (L 0,01), mg/(s*m)] bei RT 40 bar [N/mm ²]	5
compressability, [ASTM F36], [%]	55
ASTM F38 Creep Relaxation [%]	15

LOCATIONS

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