

Clipperlon 660

Modified PTFE Gaskets

DESCRIPTION

Leader Clipperlon 660 is made from multidirectionally expanded PTFE gasket tapes for use in pipeline and apparatus flanges. The optimized fibre structure of this material leads to significantly improved creep resistance and a lower compressive creep, compared to the products used so far. Leader Clipperlon 660 is self-adhesive on one side, flexible and compressible. Due to the high conformability the gasket adapts optimally to flange roughness and unevenness. Leader Clipperlon 660 is made from 100% pure multidirectionally expanded PTFE. Therefore it offers an excellent chemical resistance, also in highest demanding applications. Due to the use of high quality raw materials and the regulated manufacturing process this gasket tape is GMP conforming

APPLICATION

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

fluorine gas) Pressure up to 55 bar (higher pressures depending on the individual installation), to aggressive media and chemically inert, for the sealing of large, complex and damaged flanges

CHEMICAL COMPATIBILITY

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

DELIVERY OPTIONS

Gasket Tape Widths from 10 mm to 65 mm, Thickness 2 mm, 3 mm, 6 mm and 9 mm, Standard Roll Length 10 m

TEMPERATURE

Temperature from -240 °C up to +230 °C

APPROVALS & CERTIFICATES

- DVGW
- USP Class VI (not intended for implantation into the human body) on PTFE
- BAM for gaseous Oxygen
- FDA 21 CFR 175.105

(Adhesive)

- TA-Luft for steel components
- TÜV - MUC-KSP-A066
- Blow-Out certified acc. VDI 2200
- FDA 21 CFR 177.1550 (PTFE)
- TÜV - MUC-KSP-A066
- TA-Luft for steel components
- FDA 21 CFR 177.1550 (PTFE)
- Blow-Out certified acc. VDI 2200
- TA-Luft for glass lined components EC1935/EU10/2012
- DVGW
- USP Class VI (not intended for implantation into the human body) on PTFE
- BAM for gaseous Oxygen
- FDA 21 CFR 175.105 (Adhesive)

SEALING CHARACTERISTICS

- low leak rate
- highly conformable to the sealing surface

- high creep
- suitable for high temperatures

TECHNICAL DATA

max Temperature [°C]	230
min Temperature [°C]	-240
max Pressure [bar]	40
density [g/cm ³]	0.9
Minimum initial stress [DIN E 2505 part 2] [N/mm ²]	25
Maximum initial stress [DIN E 2505 part 2] [N/mm ²]	160
M-Value	2

LOCATIONS

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

8622 South Choctaw Drive BATON ROUGE, LA, USA 70815

Pšurnovická cesta 1026, 01401 BYTCA, Republic of Slovakia EUROPE HEADQUARTERS

PHONE

+1 281 542 0600

+1 225 275 8000

+421 41 553 2686

FAX

+1 281 542 5552

+1 225 273 9073

+421 41 553 2895

TECHNICAL DATA

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 [Qsmax bei RT EN13555] [N/mm ²]	160
Relaxation PQR (30 MPA 150°C) [%]	0.78
Residual seating stress , [QA=40 MPA,Qmin(L 0,01), mg/(s*m)] bei RT 40 bar [N/mm ²]	5

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