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

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

SEALING CHARACTERISTICS

- individual shaping and fast assembly
- low leak rate
- highly conformable to the sealing surface
- high cree
- suitable
  temperat

TECHNICAL DATA	
max Temperature [°F]	450
density [g/cm3]	0.9
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
Y- Value [psi]	2800

LOCATIONS

850 Sense Road LA PORTE, TX 77571, USA GLOBAL HEADQUARTERS
8622 South Choctaw Drive BATON ROUGE, LA, USA 70815
Psurnovicka 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

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TECHNICAL DATA	
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/mm2]	160
Residual seating stress , [QA=40 MPA,Qmin(L 0,01), mg/(s*m)] bei RT 40 bar [N/mm2]	5
compressability, [ASTM F36], [%]	55
ASTM F38 Creep Relaxation [%]	15

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