

# 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

- 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)

### CERTIFICATES

- 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

## TECHNICAL DATA

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

### LOCATIONS

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

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#### TECHNICAL DATA

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 [Qsmax bei RT EN13555] [n/mm2]	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/mm2]	5

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