



# Multiflex ePTFE Sheets

Multiflex ePTFE sheets offer a high quality gasket sheet made from pure multidirectional expanded PTFE.

In a special process PTFE is stretched in multiple directions resulting in a high tensile strength that makes Multiflex ePTFE sheet material extremely resistant to creep.

Creep tendency under force and temperature is considerable reduced compared to other PTFE gasket sheets.

Multiflex ePTFE conforms well on uneven surfaces. Thicker materials can compensate for large gaps on uneven flanges, including those found on glass lined steel flanges or resulting from corrosion damage.

Multiflex ePTFE Sheets have a high effective recovery compared to other PTFE gasket materials. Gaskets compressed in bolted flange assemblies show a very low leakage rate, even when the surface load is reduced in continuous service.

## Dimension

Size 1500 x 1500mm  
Standard thicknesses **0,5 to 6mm**  
(on request up to 9mm)

## Material

100% pure virgin PTFE multidirectional expanded without filler, colour, pigments or ink, no adhesive.

## Resistance

- resistant to most chemicals
- resistance against acids and bases of pH 0 to 14
- UV-resistant
- no aging, unlimited shelf life
- nontoxic, biologically inert
- non flammable

## Temperature range

Gaskets made of Multiflex ePTFE can be used for standard applications with temperatures from -200°C up to +230°C (for applications with higher temperatures please contact us).

## Physiologically harmless

Suitable for use in contact with food  
Conforms to FDA Regulation FDA 21 CFR 177.1550



## Application field

**Gaskets for static flange joints, easy to handle and cut**

- circular gaskets for standard DIN- and ANSI flanges
- rectangular gaskets for frames
- free shapes of seals for head of pumps, tube bundle heat exchangers, valves and accessories,
- very easy to cut gaskets just in time at on-site Maintenance

## Special Features

- best adaption on uneven surfaces and affected sealing faces
- for sealing of stress sensitive material like glass lined steel, glass, ceramic
- long lasting gasket solution for extreme aggressive Media

## Approvals and tests

- **BAM** tested for use with oxygen
- **TA** - Luft tested
- **FDA** - conformity
- **TÜV** controlled and certificated according ISO 9001