



Technical Data Sheet

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EXPANDED PTFE

Characteristics

Our sheets are made of 100% pure expanded multidirectional PTFE, using a unique technology to form a special fibrillar structure that mechanically resists extreme use parameters.

Applications

Our expanded Teflon gaskets are used in the sealing of a wide range of fluids: oils, hydrocarbons, acids, water, etc. Resists a temperature of 260°C, with peaks up to 315°C. It is chemically inert to the most aggressive acids. Ideal as material gaskets for flanges with fragile surfaces such as glass, ceramic or any surface that has risk of breakage. It is also suitable for irregular sealing surfaces or damaged, as it fills any unevenness.

Benefits

This multidirectional expanded Teflon material has perfect sealing properties which completely eliminates the "cold flow" effect. This guarantees a longer life and reliability of the gaskets. Thanks to the approvals of this expanded Teflon material, it is adequate for the food, pharmaceutical, chemical, petrochemical and gas industries.

Approvals

FDA
TA Luft VDI 2440
EN 13555
DIN 28090-1
HOBT 1
ASTM F36

Sheets dimensions

1500 x 1500
1000 x 1000
Other dimensions under demand

Thickness

From 0,5mm to 10mm

Working temperature: - 240°C / + 260°C. With peaks up to 315°C

Density: 0,6 – 0,9 g/cm³

Compressibility: 58 – 66% ASTM F36

Recovery: 18 – 22% ASTM F36

Leakage rate: 9,2 x 10⁻⁷ mbar.l/(s.m) TA Luft VDI2440

Chemical Resistance: 0 – 14 pH