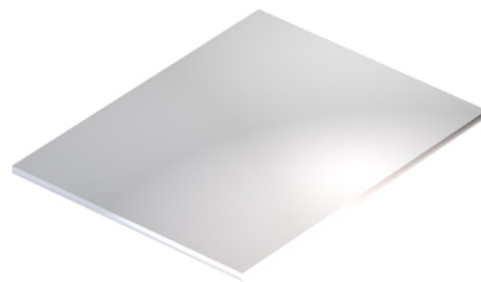


# PTFE

# TEFLON



## Material

PTFE Teflon consists of pure, virginal PTFE (polytetrafluoroethylene) that has been expanded multi-directionally.

## Properties

Because it consists of pure PTFE, PTFE Teflon exhibits excellent chemical resistance. Due to its multi-directional structure, it also features very high mechanical strength and creep resistance for a PTFE material. Moreover, its dimensional stability is also particularly high, i.e. it has exceptional resistance against lateral flow. This results in a long-term, reliable seal. On the other hand, PTFE Teflon is soft, and therefore particularly conformable. In addition, it is physiologically harmless.

## Application

PTFE Teflon is used in the form of flat gaskets in pipework, fittings, pumps, vessels, stirrers, heat exchangers, etc., if the media to be sealed is so aggressive that a PTFE gasket is required. This is the case particularly in the chemical and pharmaceutical industries, but also in cellulose or aluminium production, where strong acids and lyes are employed. Due to its physiological harmlessness, it is also suitable for use in foodstuffs applications, and for sealing pollutant-sensitive, highly pure products such as paint bases, vitamins, etc.

## Technical Data

Density (DIN 28 090-2)	g/cm <sup>3</sup>	0.85
Compressibility (ASTM F 36 J)	%	60
Recovery (ASTM F 36 J)	%	10
Creep resistance (DIN 52 913, TF) 16h, 150 °C, 30 N/mm <sup>2</sup>	N/mm <sup>2</sup>	20
Gas tightness (DIN 3535, part 6)	mg/(s*m)	0.01
Maximum Continuous Temperature	°C	230
Maximum Continuous Pressure	bar	50

## Form of Delivery

**Gaskets** according to a drawing, dimensions supplied, or other arrangement.

### Sheets Size x Standart Size x Thickness

1000 x 1200 x 0.50 mm  
 1000 x 1200 x 0.80 mm  
 1000 x 1200 x 1.00 mm  
 1000 x 1200 x 1.50 mm  
 1000 x 1200 x 2.00 mm  
 1000 x 1200 x 3.00 mm  
 1000 x 1200 x 4.00 mm  
 1000 x 1200 x 5.00 mm