

# PTFE JOINTING SHEET PLANIFLON™ E12

### Composition

• 100% pure expanded PTFE

#### **Characteristics**

Planiflon™ E12 gasket sheets are made of 100% pure multidirectional expanded PTFE, providing exceptional and virtually unlimited chemical resistance. Once installed, gaskets produced from Planiflon™ E12 sheets adapt optimally to the roughness and surface of the flange. During operation, even under high pressure and temperature loads, they maintain high elasticity and moderate creep, ensuring excellent stability and optimal sealing performance, especially in demanding applications with steel flanges and high burst safety. The good resilience of the material offers increased operational safety even under variable operating conditions.

## **Applications**

Planiflon™ E12 is suitable for industrial applications to obtain PTFE gaskets for general and specific uses. It has the following certifications:

- FDA
- TA LUFT

#### **Tech Data**

#### White Colour Filler absent Density 0.90 +/- 10% -200/+260 Temperature Vacuum to 40 Max operating pressure bar x °C P x T max thickness 0.5 to 2.0 5000 thickness 3.0 3500 MPa 27 Q min (40 bar He; 0,01 mg/(s\*m)) Q Smin (QA=30 MPa; 40 bar He; L=0,01) MPa <10 Osmax (23°C) 160 Leckagerate (QA=30 MPa; 1 bar He) mg/(s\*m) <1\*10-4 PQR @ 20 °C (QA=30 MPa) 0 94 ASTM F36 50 - 55% Compressibility

Planiflon™ E12 (EN 13555 thk 3 mm )

Never use the product to the maximum temperature and pressure associated. Consult the manufacturer for further information

ASTM F36

- The peak temperature can be sustained for short exposures
- Other gasketing sheet dimensions and thicknesses are available on request
  The dimensional tolerances of the gasketing sheets are: W and L ± 3,0%, H ± 10,0%

Size	1.500 x 1.500	60" x 60"
Thickness	0,75 ÷ 6,00 mm	1/32" ÷ 1/4"



Recovery

PH Range

The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regiding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.



# PTFE Jointing Sheet Planiflon™ E12

The bidirectional structured PTFE gasketing sheets Planiflon™ are made with special resins and inorganic fillers. The special processing technique minimizes the material's cold flow, giving to the sheets the characteristic attribute of bidirectionality. The product range of the Planiflon™ includes the following products:

- **B13** Modified PTFE with silica filler
- **B14** Modified PTFE with hollow glass microspheres filler
- **B15** Modified PTFE with barium sulphate filler
- B58 Microcellular Modified PTFE layers with pure modified PTFE core
- **B60** Microcellular Modified PTFE with Inorganic fillers
- **E12** Bi-directional expanded PTFE

