



PTFE JOINTING SHEET PLANIFLON™ E12

Composition

- 100% pure expanded PTFE

Characteristics

Planiflon™ E12 gasketing sheets consist of 100% pure, multidirectional expanded PTFE, with practical unrestricted chemical resistance.

When installed the seals made of Planiflon™ E12 plates have an exceptionally good adaptability to flange roughness and unevenness.

In operation, under pressure and temperature loads, high surface pressure is guaranteed. Thereby achieved it has very good stability and tightness, especially in demanding steel flange applications high blow-out security. The good resilience of the material leads to increased operational safety even under changing 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

Planiflon™ E12
(EN 13555 thk 2 mm)

| | | |
|---------------------------------------|----------|--------------------------------|
| Colour | | White |
| Filler | | absent |
| Density | | g/cm ³ 0.90 +/- 10% |
| Temperature | | °C -200/+260 |
| Max operating pressure | | bar Vacuum to 40 |
| Q min (40 bar He; 0,01 mg/(s*m)) | | MPa 27 |
| Q Smin (QA=30 MPa; 40 bar He; L=0,01) | | MPa <10 |
| Qsmax (23°C) | | MPa 160 |
| Leckagerate (QA=30 MPa; 1 bar He) | | mg/(s*m) <1*10 ⁻⁴ |
| PQR @ 20 °C (QA=30 MPa) | | 0.94 |
| Compressibility | ASTM F36 | 50 - 55% |
| Recovery | ASTM F36 | 13 |
| PH Range | | 0 ÷ 14 |
| Tolerances L and W | | mm +/- 50 |
| Tolerances Thickness | | % +/-10 |

- Never use the product to the maximum temperature and pressure associated. Consult the manufacturer for further information
- The peak temperature can be sustained for short exposures
- Other gasketing sheet dimensions and thicknesses are available on request

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



The information in this publication and otherwise provided to users is based on experience and is provided to the best of our current knowledge. Due to many factors which are beyond our knowledge and control affecting the use of the products, no warranties are given or are to be held implied with respect to such information. The operating limits shown in this publication do not constitute a statement that these values can be applied simultaneously. Do not use the product at the associated maximum temperature and pressure values. The maximum temperature can be sustained for short exposures in particular conditions. Specifications are subject to change without notice.



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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
- **B01** - Virgin PTFE
- **B02** - Glass filled PTFE
- **B03** - Graphite filled PTFE

 **CARRARA**
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