



PTFE JOINTING SHEET PLANIFLON™ B14

Composition

- Resin of modified PTFE
- Hollow Glass microspheres as filler

Characteristics

Planiflon™ B14 is a superior performance biaxially orientated PTFE sheet sealing material with glass spheres filler, very highly conformable properties, ideally suited to both standard and irregular flanges. Planiflon™ B14 has a very low gas permeability, improved creep properties when compared with conventional PTFE gasketing, excellent for handling and cutting. Is specifically designed for use in low bolt loaded irregular flanges. Typical flanges include glass lined, ceramic plastic coated or uneven/badly distorted flanges. It is suitable for sealing all chemicals across the whole pH range, except molten alkali metals, fluorine or hydrogen fluoride.

Applications

Planiflon™ B14 is suitable for applications in a wide range of chemically aggressive fluids. Due to its high compressibility, it is especially recommended for use on flanges and delicate equipment. Planiflon™ B14 is suitable for industrial applications for sealing the flanges and has the following: certificates:

- TA LUFT
- DVGW

Tech Data

Planiflon™ B14

| | | | |
|------------------------|------------|------------|---------------------------|
| Colour | | | Blue |
| Filler | | | Hollow glass microspheres |
| Density | | g/cm³ | 1.4 |
| Temperature | | °C | -200/+260 |
| Max operating pressure | | bar | 50 |
| P x T max | | bar x °C | - |
| thickness 0,5 to 2,0 | | | 12000 |
| thickness 3,0 | | | 8500 |
| Compression | DIN 3535-6 | % | >32 |
| Creep | DIN 3535-6 | % | <19 |
| Recovery | DIN 3535-6 | % | >7 |
| Leakage | DIN 3535-6 | mg*s-1*m-1 | <0.05 |
| PH Range | | | 0 ÷ 14 |

- Never use the product at its maximum rated temperature and pressure. Consult the manufacturer for further information.
- The peak temperature can be sustained only for short exposure periods.
- Other gasketing sheet dimensions and thicknesses are available on request.
- The dimensional tolerances of the gasketing sheets are: W and L $\pm 3.0\%$, H $\pm 10.0\%$.

| | | |
|-----------|---|-----------------------------------|
| Size | 1.500 x 1.500 - (1000 x 1000 sp. 0.75 mm) | 60" x 60" - (40" x 40" tk. 1/32") |
| Thickness | 0,75 ÷ 6,00 mm | 1/32" ÷ 1/4" |



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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


GLOBAL SEALING SOLUTIONS

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