



# PTFE JOINTING SHEET PLANIFLON™ B01

## Composition

- Virgin PTFE

## Characteristics

Planiflon™ B01, the virgin sintered PTFE gasketing sheets, is suitable for all applications where a PTFE gasket without mineral fillers is required. Virgin PTFE gasket sheets, rod and tubes have high chemical resistance (except alkali and hydrofluoric acid).

## Applications

Planiflon™ B01 is suitable for industrial applications, it is available in sheets, bars and tubes to obtain PTFE materials for general and specific uses. It has the following certifications on demand:

- FDA

## Tech Data

| Planiflon™ B01          |            |                                     |           |
|-------------------------|------------|-------------------------------------|-----------|
| Colour                  |            |                                     | White     |
| Filler                  |            |                                     | absent    |
| Density                 |            | g/cm <sup>3</sup>                   | 2.1       |
| Temperature             |            | °C                                  | -200/+260 |
| Max operating pressure  |            | bar                                 | 50        |
| P x T max               |            | bar x °C                            | -         |
| thickness 0,5 to 2,0 mm |            |                                     | 5000      |
| thickness 3,0 mm        |            |                                     | 3500      |
| Compression range       | DIN 3535-6 | %                                   | 14-17     |
| Recovery                | DIN 3535-6 | %                                   | >20       |
| Creep Relaxation        |            | %                                   | 40%       |
| Tensile Strength        |            | MPa                                 | 20        |
| Leakage                 | DIN 3535-6 | mg*s <sup>-1</sup> *m <sup>-1</sup> | <0.05     |
| PH Range                |            |                                     | 0 ÷ 14    |
| Tolerances L and W      |            | mm                                  | +/- 50    |
| Tolerances Thickness    |            | %                                   | +/-10     |

- 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 ±3.0%, H ±10.0%.

|           |   |                                   |
|-----------|---|-----------------------------------|
| Size      | 1.500 x 1.500 - 1200 X 1200 - 600 x 600 | 60" x 60" - 48" x 48" - 24" x 24" |
| Thickness | 0,75 ÷ 6,00                             | 1/32" ÷ 1/4"                      |



## PTFE Jointing Sheet Planiflon™ B01

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
- **B05** - Carbographite filled PTFE



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