



# COMPRESSED FIBER GASKETS PLANIFLEX™ PF65

## Composition

Inorganic synthetic fiber and glass, inert filler and NBR binder

## Characteristics

The compressed fiber gasketing sheets Planiflex™ PF65 are a material with an excellent parameter of relaxation stress and perfect for steam applications. Suitable with oils, gas, fuels and weak inorganic acids.

## Applications

Planiflex™ PF65 can be applied in the temperature range  $-40^{\circ}\text{C} \div 330^{\circ}\text{C}$  and in the pressure ranges up to ratings 300 lbs and PN25 for RF flanges. These gaskets show chemical compatibility in the pH range typical of that of nitrile rubbers.

## Tech Data

| Properties thickness 1,5 mm                 | Unit              | Value |
|---|-------------------|-------|
| Binder                                      | -                 | NBR   |
| Compressibility ASTM F 36                   | %                 | 10    |
| Recovery ASTM F 36                          | %                 | 55    |
| Tensile strength DIN 52910                  | N/mm <sup>2</sup> | 9     |
| Density +/- 5%                              | g/cm <sup>3</sup> | 1,9   |
| <b>Stress resistance DIN 52913</b>          |                   |       |
| 16 h, 300 °C, 50 N/mm2                      | N/mm <sup>2</sup> | 29    |
| 16 h, 175 °C, 50 N/mm2                      | N/mm <sup>2</sup> | 34    |
| <b>Thickness increase acc.to ASTM F 146</b> |                   |       |
| Oil IRM 903, 5 h, 150 °C                    | %                 | 6     |
| ASTM Fuel B, 5 h, 23 °C                     | %                 | 6     |
| Distilled water. 5h. 100°C                  | %                 | 2     |
| <b>Max. operating conditions</b>            |                   |       |
| Peak temperature                            | °C                | 400   |
| Continuous temperature                      | °C                | 330   |
| With steam                                  | °C                | 250   |
| Pressure                                    | bar               | 120   |

- 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.
- The dimensional tolerances of the gasketing sheets are: W and L  $\pm 3.0\%$ , H  $\pm 10.0\%$ .

|           |                                |                         |
|-----------|--------------------------------|-------------------------|
| Size      | 1.500 x 1.500<br>1.500 x 3.000 | 60" x 60"<br>60" x 120" |
| Thickness | 0.4 ÷ 5.0                      | 1/64" ÷ 3/16"           |



## Compressed fiber gaskets Planiflex™ PF65

The Planiflex™ gasketing sheets are made with materials based on aramid fibers and NBR specially selected for meet high performance standards for a wide range of industrial applications. Planiflex™ gaskets are applicable for seal with vapors, lubricants, solvents, gases, steam and many diluted acids and alkalis and can be used as a gasket together with PTFE envelopes.



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