



COMPRESSED FIBER GASKETS PLANIFLEX™ PF81

Composition

Aramid fibres, inert filler, graphite and NBR binder.

Characteristics

The compressed fiber gaskets Planiflex™ PF81 are a material with an excellent sealing performance, usable with oils, gas, fuel and inorganic acids. Planiflex™ PF81 shows excellent stress retention properties and excellent sealing performance.

Applications

Planiflex™ PF81 can be applied in the temperature range -40°C÷250°C and in the pressure ranges up to ratings 600 lbs and PN40. 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 | % | 11 |
| Recovery ASTM F 36 | % | 50 |
| Tensile strength DIN 52910 | N/mm2 | 8 |
| Density +/- 5% | g/cm3 | 1,9 |
| Stress resistance DIN 52913 | | |
| 16 h, 300 °C, 50 N/mm2 | N/mm2 | 22 |
| 16 h, 175 °C, 50 N/mm2 | N/mm2 | 28 |
| Thickness increase acc.to ASTM F 146 | | |
| Oil IRM 903, 5 h, 150 °C | % | 5 |
| ASTM Fuel B, 5 h, 23 °C | % | 5 |
| Distilled water. 5h. 100°C | % | 2 |
| Max. operating conditions | | |
| Peak temperature | °C | 350 |
| Continuous temperature | °C | 250 |
| Continuous temperature with steam | °C | 220 |
| Pressure | bar | 100 |

- The peak temperature can be sustained only for short exposure periods.
- Do not use the product at maximum temperature values or under pressures higher than those typical of flue gases. Contact the manufacturer for further information.
- The dimensional tolerances of the gasketing sheets are: W and L $\pm 3.0\%$, H $\pm 10.0\%$.

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



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Compressed fiber gaskets Planiflex™ PF81

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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