



# 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

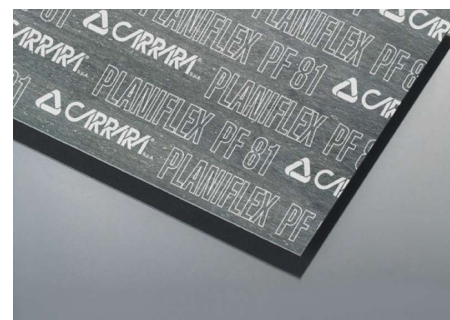
Planiflex™ PF81 can be applied in the temperature range -40°C÷250°C and in the pressure ranges up to ratings 600 lbs and PN40. These gaskets show chemical compatibility in the pH range typical of that of nitrile rubbers.

## 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   |
| <b>Stress resistance DIN 52913</b>          |       |       |
| 16 h, 300 °C, 50 N/mm2                      | N/mm2 | 22    |
| 16 h, 175 °C, 50 N/mm2                      | N/mm2 | 28    |
| <b>Thickness increase acc.to ASTM F 146</b> |       |       |
| Oil IRM 903, 5 h, 150 °C                    | %     | 5     |
| ASTM Fuel B, 5 h, 23 °C                     | %     | 5     |
| Distilled water. 5h. 100°C                  | %     | 2     |
| <b>Max. operating conditions</b>            |       |       |
| Peak temperature                            | °C    | 350   |
| Continuous temperature                      | °C    | 250   |
| Continuous temperature with steam           | °C    | 220   |
| Pressure                                    | bar   | 100   |

- The peak temperature can be sustained for short exposures
- Do not use the product at maximum temperature values and for uses at pressures higher than those typical of the Flue Gases. Consult the manufacturer for further information.

|           |                                |                         |
|-----------|--------------------------------|-------------------------|
| Size      | 1.500 x 1.500<br>1.500 x 3.000 | 60" x 60"<br>60" x 120" |
| Thickness | 0.8 ÷ 5.0                      | 1/64" ÷ 7/32"           |



## 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.



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.



**Carrara S.p.A.,**  
Via Provinciale 1/E - 25030 Adro - BS - Italia  
tel. +39 030 7451121 / fax +39 030 7451130  
[www.carrara.it](http://www.carrara.it) - [info@carrara.it](mailto:info@carrara.it)