



# COMPRESSED FIBER GASKETS PLANIFLEX™ PF81F

## Composition

Carbon fibres, inert filler, graphite and NBR binder.

## Characteristics

The compressed fiber gaskets Planiflex™ PF81F are a material with an excellent sealing performance, usable with oils, gas, fuel and inorganic acids. Planiflex™ PF81F shows excellent stress retention properties and excellent sealing performance.

## Applications

Planiflex™ PF81F can be applied in the temperature range -40°C÷320°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		%	10
Recovery ASTM F 36		%	50
Tensile strength DIN 52910		N/mm2	9
Density +/- 5%		g/cm3	1,9
<b>Stress resistance DIN 52913</b>			
16 h, 300 °C, 50 N/mm2		N/mm2	25
16 h, 175 °C, 50 N/mm2		N/mm2	30
<b>Thickness increase acc.to ASTM F 146</b>			
Oil IIR 903, 5 h, 150 °C		%	5
ASTM Fuel B, 5 h, 23 °C		%	6
<b>Max. operating conditions</b>			
Peak temperature		°C	400
Continuous temperature		°C	320
Continuous temperature with steam		°C	250
Pressure		bar	100

- 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 1.500 x 3.000	60" x 60" 60" x 120"
Thickness	0.8 ÷ 5.0	1/32" ÷ 7/32"



## Compressed fiber gaskets Planiflex™ PF81F

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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GLOBAL SEALING SOLUTIONS

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