



# 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  $-40^{\circ}\text{C}$  to  $+320^{\circ}\text{C}$  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.



## 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.

## 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/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/mm <sup>2</sup>	N/mm <sup>2</sup>	25
16 h, 175 °C, 50 N/mm <sup>2</sup>	N/mm <sup>2</sup>	30
<b>Thickness increase acc.to ASTM F 146</b>		
Oil IRM 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"



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