



# 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 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 to the maximum temperature and pressure associated. Consult the manufacturer for further information
- The peak temperature can be sustained for short exposures
- 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.



The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.



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