



# COMPRESSED FIBER GASKETS PLANIFLEX™ PF81R

## Composition

Aramid fibres, graphite and NBR binder wire reinforced.

## Characteristics

The compressed fiber gaskets Planiflex™ PF81R are a material with an excellent sealing performance, usable with oils, gas, fuel and inorganic acids. Planiflex™ PF81R shows excellent stress retention properties and excellent sealing performance.

## Applications

Planiflex™ PF81R can be applied continuously in the temperature range  $-40^{\circ}\text{C} \div 250^{\circ}\text{C}$  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™ PF81R

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	%	11
Recovery ASTM F 36	%	50
Tensile strength DIN 52910	N/mm <sup>2</sup>	15
Density +/- 5%	g/cm <sup>3</sup>	2,3
<b>Stress resistance DIN 52913</b>		
16 h, 300 °C, 50 N/mm <sup>2</sup>	N/mm <sup>2</sup>	22
16 h, 175 °C, 50 N/mm <sup>2</sup>	N/mm <sup>2</sup>	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

- 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"x60" 60"x120"
Thickness	0.8 + 5.0	1/32" ÷ 7/32"



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