

# 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°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	15
Density +/- 5%	g/cm3	2,3
Stress resistance DIN 52913		
16 h, 300 °C, 50 N/mm2	N/mm2	22
16 h, 175 °C, 50 N/mm2	N/mm2	28
Thickness increase acc.to ASTM F 146		
Oil IRM 903, 5 h, 150 °C	%	5
ASTM Fuel B, 5 h, 23 °C	%	5
Distilled water. 5h. 100°C	%	2
Max. operating conditions		
Peak temperature	°C	350
Continuous temperature	°C	250
Continuous temperature with steam	°C	220
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
- $\bullet$  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"



# 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.



