COMPRESSED FIBER GASKETS PLANIFLEX™ PF81

Composition
Aramid fibres, inert filler, graphite and NBR binder.

Characteristics
The compressed fiber gaskets Planiflex™ PF81 are a material with an excellent sealing performance, usable with oils, gas, fuel and inorganic acids. Planiflex™ PF81 shows excellent stress retention properties and excellent sealing performance.

Applications
Planiflex™ PF81 can be applied 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.



Compressed fiber gaskets Planiflex™ PF81

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/mm2	8
Density +/- 5%	g/cm3	1,9
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

- The peak temperature can be sustained only for short exposure periods.
- Do not use the product at maximum temperature values or under pressures higher than those typical of flue gases. Contact the manufacturer for further information.
- The dimensional tolerances of the gasketing sheets are: W and L ±3.0%, H ±10.0%.

Size	1.500 x 1.500 1.500 x 3.000	60” x 60” 60" x 120"
Thickness	0.4 ÷ 5.0	1/64” ÷ 3/16”

The information provided in this publication, as well as that supplied to users in other forms, is based on our experience and communicated according to the best knowledge available. However, since numerous factors beyond our knowledge and control may influence the use of the products, no warranty, explicit or implicit, is given regarding such content. The operating limits indicated do not constitute confirmation that these values can be applied simultaneously. Avoid using the product at the maximum temperature and pressure limits. The maximum temperature is sustainable only for short periods under specific conditions. Specifications may be changed without notice. The images in the DS may not exactly represent the product, its color and/or marking.

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