



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 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 ²	9
Density +/- 5%	g/cm ³	1,9
Stress resistance DIN 52913		
16 h, 300 °C, 50 N/mm ²	N/mm ²	25
16 h, 175 °C, 50 N/mm ²	N/mm ²	30
Thickness increase acc.to ASTM F 146		
Oil IRM 903, 5 h, 150 °C	%	5
ASTM Fuel B, 5 h, 23 °C	%	6
Max. operating conditions		
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 simultaneously.. 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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