COMPRESSED FIBER GASKETS PLANIFLEX™

Composition

PF41 - Cellulose fibres, inert filler and NBR binder
PF64 - Aramid fibres, inert filler and NBR binder
PF81 - Aramid fibres, graphite and inert filler and NBR binder

Characteristics

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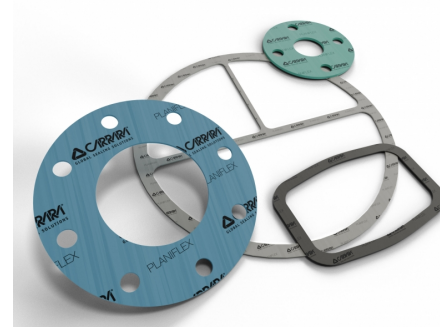
Applications

Planiflex™ can be applied continuously in the temperature range according to the data sheet 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™

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	PF41	PF64	PF81
Binder	--	NBR	NBR	NBR
Compressibility ASTM F 36	%	9	11	11
Recovery ASTM F 36	%	60	50	50
Tensile strength DIN 52910	N/mm2	8	8	8
Density +/- 5%	g/cm3	1,8	1,9	1,9
Stress resistance DIN 52913				
16 h, 300 °C, 50 N/mm2	N/mm2	--	22	22
16 h, 175 °C, 50 N/mm2	N/mm2	20	28	28
Thickness increase acc.to ASTM F 146				
Oil IRM 903, 5 h, 150 °C	%	10	5	5
ASTM Fuel B, 5 h, 23 °C	%	10	5	5
Distilled water. 5h. 100°C	%	4	2	2
Max. operating conditions				
Peak temperature	°C	180	350	350
Continuous temperature	°C	140	250	250
Continuous temperature with steam	°C	120	220	220
Pressure	bar	40	100	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

Size	1500 x 1500 1500 x 3000	60
Thickness	0,40 ÷ 5,00	1/32 ÷ 3/16

CARRARA®
GLOBAL SEALING SOLUTIONS