



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

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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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.



The information in this publication and otherwise provided to users is based on experience and is provided to the best of our current knowledge. Due to many factors which are beyond our knowledge and control affecting the use of the products, no warranties are given or are to be held implied with respect to such information. The operating limits shown in this publication do not constitute a statement that these values can be applied simultaneously. Do not use the product at the associated maximum temperature and pressure values. The maximum temperature can be sustained for short exposures in particular conditions. Specifications are subject to change without notice.

CARRARA
GLOBAL SEALING SOLUTIONS

Carrara S.p.A.,
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 / fax +39 030 7451130
www.carrara.it - info@carrara.it