



Compressed fiber gaskets Planiflex™ PF81

Features

The compressed fiber gaskets Planiflex™ PF81 asbestos free are an excellent material with optimal thermal and chemical properties, resistant to steam, oils, gas, fuels, alkalis and weak acids.

Composition

Aramid fibres and graphite

NBR binder

Applications

Compressed gasketing sheets

Compressibility ASTM F 36/J	%	7
Recovery ASTM F 36/J	%	50
Tensile strength DIN 52910	N/mm2 - Fb/inch	9
Stress resistance DIN 52913	-	-
16 h, 300 °C, 50 N/mm2	N/mm2 - Fb/inch	25
16 h, 175 °C, 50 N/mm2	N/mm2 - Fb/inch	30

GAS permeability DIN 3535/6	ml/mm2	0.08
Thickness increase acc.to ASTM F 146	-	-
ASTM oil no. 3, 5 h, 150 °C	%	5
ASTM Fuel B, 5 h, 23 °C	%	8
HNO3 50%, 1 h, 65 °C	%	
H2SO4 65%, 48 h, 23 °C	%	
Max. operating conditions	-	-
Peak temperature	°C/°F	400 / 732
* Continuous temperature	°C/°F	280 / 536
- With steam	°C/°F	250 / 482
* Pressure	bar/psi	100 / 1450
P x T	bar x T °C	10000

Typical values for a thickness of 1,50 mm.

Tolerances: Thickness 0.10 ÷ 0.25 mm; Length ± 50.0 mm; Width ± 50.0 mm. Surface treatment: standard sheets have anti-stick coating.

* Temperature and pressure represent maximum values and they should not be used simultaneously.

** Ask P x T to CARRARA technical office.

Size	1.500 x 1.500 3.000 x 1.500 4.500 x 1.500	60" x 60" 120" x 60" 180" x 60"
Thickness	0.4 ÷ 5.0	1/64" ÷ 3/16"