

## TECHNICAL DATA SHEET - CST 0540/02 - 16/01/2018

# PLANIFLEX PF 81

## BASIS

Aramid fibers, graphite, NBR.

## GENERAL PROPERTIES AND APPLICATION

Gasket Material with very good thermal properties and chemical resistance to steam, oil, gases, fuels, alkaline media and weak acid.

PLANIFLEX PF 81		
		Typical value thickness 2.0 mm
Compressibility ASTM F36	%	11
Recovery ASTM F36	%	50
Relaxation stress DIN 52913		
16 hours, 300°C, 50 N/mm <sup>2</sup>	N/mm <sup>2</sup>	22
16 hours, 175°C, 50 N/mm <sup>2</sup>		28
Tensile strength DIN 52910	N/mm <sup>2</sup>	8
Thickness increase ASTM F146		
1) Oil IRM 903, 5h, 150°C	%	5
2) ASTM Fuel B, 5h, 23°C	%	5
3) Distilled water, 5h, 100°C	%	2
Max operating conditions		
Peak Temperature	°C / °F	350
Continuous Temperature	°C / °F	280
Continuous Temperature with Steam	°C / °F	220
Pressure	Bar / psi	100
Available sizes : (mm) 1.500 x 1.500 and 1.500 x 3.000; (inch) 60" x 60" and 60" x 120"		
Available thickness: (mm) 0,50 ÷ 0,80 ÷ 1,0 ÷ 1,5 ÷ 2,0 ÷ 2,5 ÷ 3,0 ÷ 4,00 ÷ 5,00;		
(inch) 1/64" ÷ 1/32" ÷ 3/64" ÷ 1/16" ÷ 3/32" ÷ 3/32" ÷ 1/8" ÷ 3/16" ÷ 7/32";		
other thickness available on demand.		

Temperature and pressure represent maximum values and should not be used simultaneously. They are given only for guidance, since they depend not only on the type of gasket material but also on the assembly conditions. Very important factors are: thickness of material, nature of service medium, type of flange, surface stress. Steam application requires special consideration.

- General suitability using common installation practices under the condition of chemical compatibility.
- Max. performance is ensure through appropriate measures for joint design and gasket installation. Consultation is recommended.
- Limited application area - Technical consultation is mandatory.

