



TECHNICAL DATA SHEET- CST 0540/01 23/07/2003

PLANIFLEX PF 81

BASIS

Carbon 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.

APPROVALS

BAM

Compressibility ASTM F36	%	7
Recovery ASTM F36	%	55
Relaxation stress DIN 52913		
16 hours, 300°C, 50 N/mm ²	N/mm ²	25
16 hours, 175°C, 50 N/mm ²		30
Tensile strength DIN 52910	N/mm ²	9
Gas permeability DIN 3535/4	mg/s m	0.08
Thickness increase ASTM F146		
1) Oil IRM 903, 5h, 150°C	%	5
2) ASTM Fuel B, 5h, 23°C	%	8
Peak Temperature	°C / °F	400 / 732

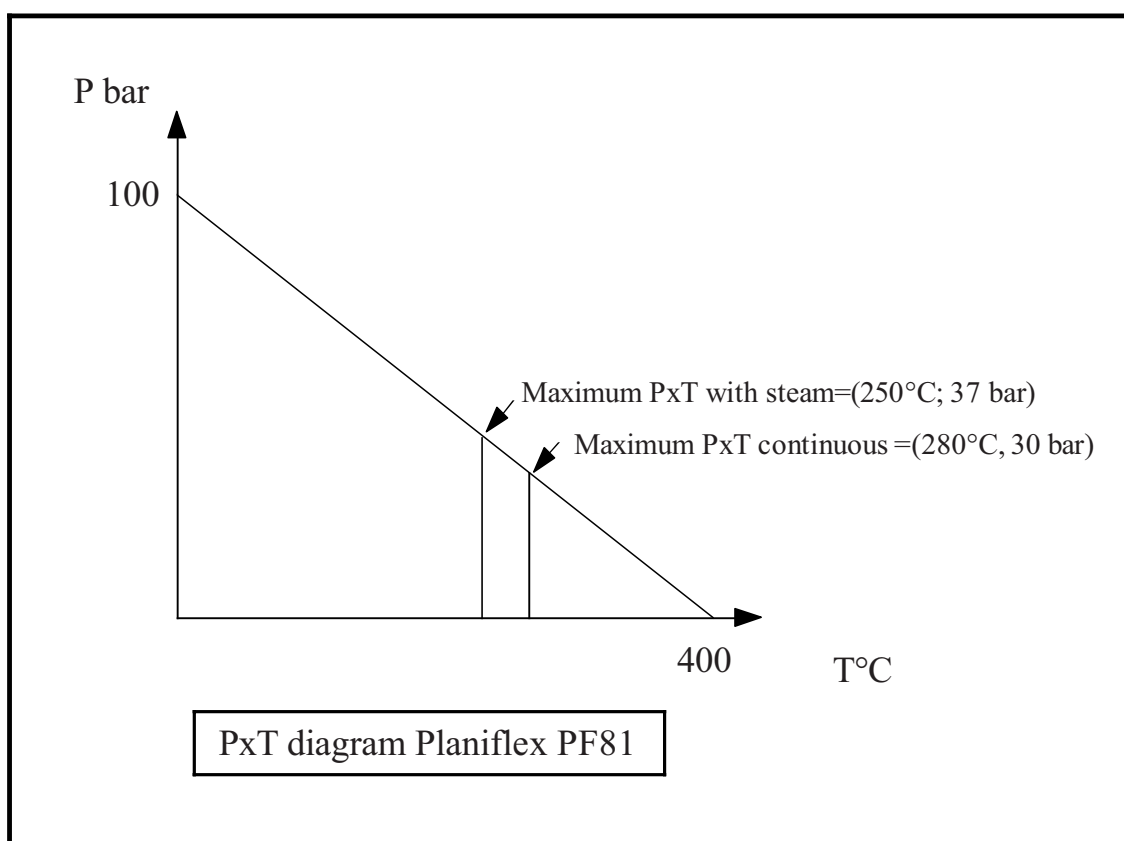
Standard L x W	1500 x 1500	+/- 2 % W & L
Other dimensions L x W	1500 x 3000	+/- 2 % W & L
Other dimensions L x W	1500 x 4500	+/- 2 % W & L
Thickness L x W	from 0,4 to 5,0	+/- 12 % th.

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.

Carrara S.p.A., Via Provinciale 1/E 25030 Adro - BS - Italy - <http://www.carrara.it> - info@carrara.it

TECHNICAL DATA SHEET- CST 0540/01 23/07/2003

PLANIFLEX PF 81



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.

Carrara S.p.A., Via Provinciale 1/E 25030 Adro - BS - Italy - <http://www.carrara.it> - info@carrara.it

CARRARA S.p.A. declina ogni responsabilità per danni a cose o persone causati da un improprio uso dei propri prodotti. CARRARA S.p.A. si riserva di modificare la presente scheda tecnica senza obbligo di preavviso e notifica. CARRARA S.p.A. declines every responsibility for damages to things and persons derive to you from an improper use of the own products. CARRARA S.p.A. could rectify the present technical card without warning obligation and notification.