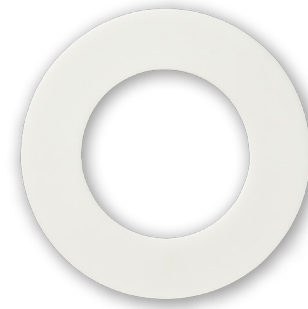


### Description and Applications:

Joint containing virgin, not regenerated PTFE made from moulding and following sintering.

The material is in according to the DIN 28091 -3.

The joint is very well used in the chemical, petrol chemical and pharmaceutical industry. High resistance to any type of chemical aggressive agent, except melt alkaline metals, fluorine and his by-products.



<b>Composition</b>	Virgin PTFE
<b>Color</b>	White
<b>Certificates</b>	FDA 21 CFR 177.1550, EU1935/2004, WRC, USP Class VI
<b>Thickness</b>	0.8 mm, 1.0 mm, 1.5 mm, 2.0 mm, 3.0 mm More Thicknesses on request.

### CONSTANT TIGHTENING:

$\sigma_{VU}$		MPa	30
$\sigma_{VO}$			200
$\sigma_{BO}$	a 150 °C		80
	a 200 °C		50
$\gamma$		MPa	25,5
m			2,75

### Industries

General Manufacturing | Oil & Gas | Chemical Industry | Energy | Food & Beverage | Pharma | Water

### TECHNICAL DATA:

Density	ASTM D792	g/cm <sup>3</sup>	2.14 - 2.18
Working Max. Temperature		°C	+260
Working Min. Temperature		°C	-200
Max. Pressure		Bar	50
Hardness	ASTM D2240	Shore D	≥ 51
Tensile Strength	ISO 12086 - ISO 527	N/mm <sup>2</sup>	≥ 24
Elongation	ISO 12086 - ISO 527	%	≥ 250
Compressive Strength: at 1% deformation	ASTM D695	N/mm <sup>2</sup>	≥ 4
Deformation under load: After 24 hours at 13.7 N/mm <sup>2</sup> at room temp.	ASTM D621	%	≤ 17
Permanent under load: After 24 hours at 41N/mm <sup>2</sup> at 260°C	ASTM D621	%	≤ 32
Permanent deformation as above: After 24 hours of rest	ASTM D621	%	≤ 19
Dynamic Friction Coefficient	ASTM D1894 - ASTM D3702		0.06

-The maximum exercise's condition depend on many factor as the gasket' s dimension, the clamping value between the flanges, etc  
-Is not advised the use in the maximum temperature and at the same time with the maximum pressure.

Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences KLINGER Italy has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. KLINGER Italy does not undertake any liability of any kind whatsoever. Is not advised the use in the maximum temperature and at the same time with the maximum pressure.