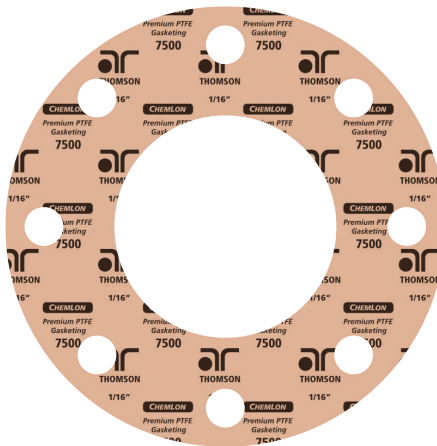


# Thomson CHEMLON® 7500

Genuine Teflon® filled with silica for superior creep and cold flow resistance. Excellent resistance to strong acids and hydrocarbons.



## FEATURES / BENEFITS

- Premium, genuine Teflon® ensures reliability, consistency and performance.
- Improved performance over conventional PTFE.
- Reduced cold flow and creep relaxation.
- Lays flat allowing easier cutting and handling.
- Excellent resistance to sulfuric acids.
- FDA Compliant: complies with FDA regulation 21CFR177.1550.

## TYPICAL APPLICATIONS

- Mining (sulfuric acid leaching process and PAL - pressure acid leaching).
- Strong acids (except for hydrofluoric acid).
- Cryogenics, hydrocarbons, water and saturated steam - less than 100 psi (7 bar), 338°F (170°C).

## SPECIFICATIONS

**Construction:** Genuine Teflon® / Silica

**Temperatures:**

Minimum: -450°F (-268°C)

Maximum: +500°F (+260°C)

**Pressure, max:** 1200 psi (83 bar)

**Tensile strength:** 2030 psi

**Colour:** Fawn with Black branding.

See reverse for additional technical data.

*\*for Oxygen O2 applications special order refer to as 7502 O2 cleaned bagged & tagged individually.*

*\*Product will be unbranded for O2 cleaning purposes.*

## TECHNICAL DATA - CHEMLON® 7500

Physical Properties		
TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM F36 M	<b>Compressibility:</b> range, %	7–12
ASTM F36 M	<b>Recovery:</b> %	40
ASTM F38	<b>Creep relaxation:</b> %	18
ASTM F152	<b>Tensile strength:</b> psi (N/mm <sup>2</sup> )	2030 (14)
ASTM F586	<b>Design factors:</b>	<b>1/16"</b> <b>1/8"</b>
	"m" factor	4.4                              3.5
	"y" factor: psi	2500                            2000

Sealing Characteristics		
	ASTM F37 A	DIN 3535 (1/16" SHEET)
<b>Sealability:</b>	.20 ml/h	< .015 cm <sup>3</sup> /min

### NOTES

ASTM properties based on 1/32" in. (0.8 mm) sheet thickness unless otherwise noted. This is a general guide and should not be the sole means of selecting or rejecting this material. Based on ANSI RF flanges at our preferred torque - when approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum PxT, consult A.R. Thomson Group. The data listed here falls within the normal range of product properties but should not be used to establish specification limits nor used alone as the basis of design.

### AUTHORIZED DISTRIBUTOR

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