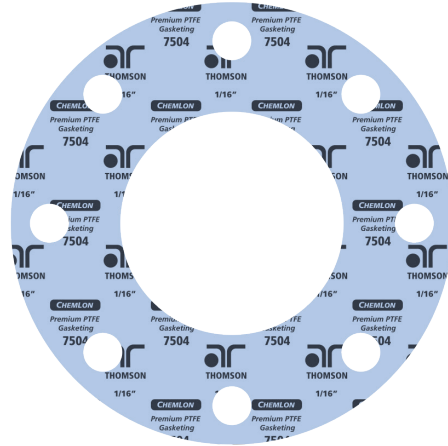


# Thomson CHEMLON® 7504

Genuine Teflon® filled with hollow glass microspheres for superior creep and cold flow resistance. Improved sealability at lower bolt loads. Available with NSF certification.



## FEATURES / BENEFITS

- Premium, genuine Teflon® ensures reliability, consistency and performance.
- Lower load required to seal versus other filled Teflon® which results in reduced product loss and emissions.
- Lays flat, allowing easier cutting and handling.
- FDA Compliant: complies with FDA regulation 21CFR177.1550.

## TYPICAL APPLICATIONS

- Suitable for a wide variety of aggressive chemical applications such as hydrocarbons, acids, solvents, water, steam, hydrogen-peroxide, refrigerants, etc.
- Non-Metallic or fragile flanges and flanges with less bolt available bolt load.
- Pulp and paper, Food and Beverage, Pharmaceutical, Chemical Process, Brewing and distilling and water treatment.

## SPECIFICATIONS

**Construction:** Genuine Teflon® / Glass

**Temperatures:**

Minimum: -450°F (-268°C)

Maximum: +500°F (+260°C)

**Pressure, max:** 800 psi (55 bar)

**Tensile strength:** 2030 psi

**Colour:** Blue with Black branding.

See reverse for additional technical data.

*\* for Oxygen O2 applications special order refer to as 7505 O2 cleaned bagged & tagged individually.*

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

## TECHNICAL DATA - CHEMLON® 7504

Physical Properties		
TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM F36 M	<b>Compressibility:</b> range, %	25–45
ASTM F36 M	<b>Recovery:</b> %	30
ASTM F38	<b>Creep relaxation:</b> %	40
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	2.0                              2.0
	"y" factor: psi	1500                            1500
Sealing Characteristics		
	<b>ASTM F37 A</b>	<b>DIN 3535 (1/16" SHEET)</b>
<b>Sealability:</b>	.120 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

**Limitation of liability:** actual performance may vary and is determined by factors unique to a given application. It is recommended that care be taken in the selection and application of materials for hazardous services and controlled testing be undertaken to determine suitability for a specific application. A.R. Thomson Group does not make or imply any warranty of suitability for a particular purpose and is not liable for any damages arising from the use of the information in this sheet.



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