

Thomson CHEMLON® 7510

Genuine Teflon® filled with Barium Sulfate for superior creep and cold flow resistance. Excellent resistance to strong caustics.



FEATURES / BENEFITS

- Premium, genuine Teflon® ensures reliability, consistency and performance.
- Lower load required to seal versus other filled Teflon®.
- Excellent resistance to caustics.
- Lays flat, allowing easier cutting and handling.
- FDA Compliant: complies with FDA regulation 21CFR177.1550.

TYPICAL APPLICATIONS

- Service in strong caustics, moderate acids, chlorine, hydrocarbons and cryogenics.
- Pulp and Paper, Food Processing, Pharmaceutical, Chemical Process, Brewing and distilling.

SPECIFICATIONS

Construction: Genuine Teflon® / Barium Sulfate

Temperatures:

Minimum: -450°F (-268°C)

Maximum: +500°F (+260°C)

Pressure, max: 1200 psi (83 bar)

Tensile strength: 2030 psi

Colour: Off-White with Black branding.

See reverse for additional technical data.

TECHNICAL DATA - CHEMLON® 7510

Physical Properties		
TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM F36 M	Compressibility: range, %	4–10
ASTM F36 M	Recovery: %	40
ASTM F38	Creep relaxation: %	11
ASTM F152	Tensile strength: psi (N/mm ²)	2030 (14)
ASTM F586	Design factors:	1/16" 1/8"
	"m" factor	2.0 2.0
	"y" factor: psi	1800 1500
Sealing Characteristics		
	ASTM F37 A	DIN 3535 (1/16" SHEET)
Sealability:	.040 ml/h	< .015 cm ³ /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.

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