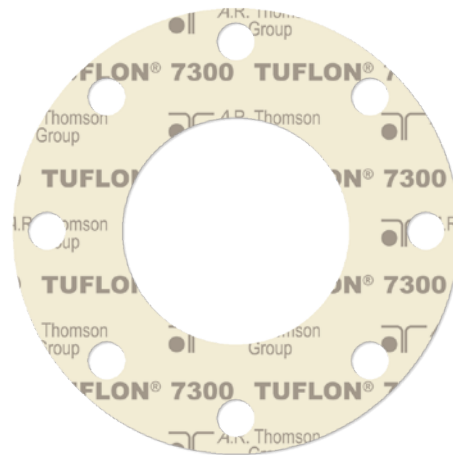


# Thomson TUFLON® 7300

## Barium Sulfate filled PTFE

TUFLON® 7300 is a barium sulfate filled PTFE gasket material specifically formulated for service in strong caustics, moderate acids, chlorine, hydrocarbons and cryogenics. It is highly resistant to creep relaxation and has outstanding sealability characteristics. This material can be supplied with FDA compliance.



### FEATURES / BENEFITS

- Excellent cost/use ratio.
- Superior chemical resistance.
- Excellent sealability properties.
- Easy to cut, handle, and remove from flange faces - durable and flexible material.
- Patented welding process for unlimited gasket size.

### TYPICAL APPLICATIONS

- Pulp and Paper
- Food Processing
- Pharmaceutical
- Chemical Process
- Brewing, Distilling
- General industrial use.

### “M & Y” FACTORS

Thickness		“m”	“y”		
in	mm	(no units)	psi	N/mm <sup>2</sup>	kgf/mm <sup>2</sup>
1/16	1.6	4.3	1650	11.4	1.16
1/8	3.2	2.0	1650	11.4	1.16

### SPECIFICATIONS

**Construction:** PTFE / Barium

**Temperature range:**

-364°F to +500°F (-220°C to +260°C)

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

**PxT, max:**  $P \times T = \text{sig} \times \text{°F}$  (bar x °C)

1/32" (0.8 mm) 1/16" (1.6 mm) 350,000 (12,000)

1/8" (3.2 mm) 250,000 (8,600)

**Dimensions:**

Available in 60" x 60" sheet size.

1/16" and 1/8" thickness.

See reverse for additional technical data.

**Note:** Specifications based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, minimum/continuous operating temperatures, or 50% of maximum PxT, consult A.R. Thomson Group.

## TECHNICAL DATA - TUFLON® 7300

Physical Properties		
TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM F36J	<b>Compressibility:</b> range, %	15–25
ASTM F36J	<b>Recovery:</b> %	40
ASTM F38	<b>Creep relaxation:</b> %	35
ASTM F152	<b>Tensile across grain:</b> psi (N/mm <sup>2</sup> )	2000 (14)
Sealing Characteristics*		
	ASTM F37B FUEL A	ASTM F37B NITROGEN
<b>Gasket load:</b> psi (N/mm <sup>2</sup> )	1000 (7)	3000 (20)
<b>Internal pressure:</b> psig (bar)	9.8 (0.7)	30 (2)
<b>Leakage:</b>	0.2 ml/hr	0.1 cc/min

## NOTES

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties based on 1/32" (0.8 mm) sheet thickness unless otherwise mentioned. Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature, or 50% of maximum P×T, consult A.R. Thomson Group.

\*Values do not constitute specification limits.

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