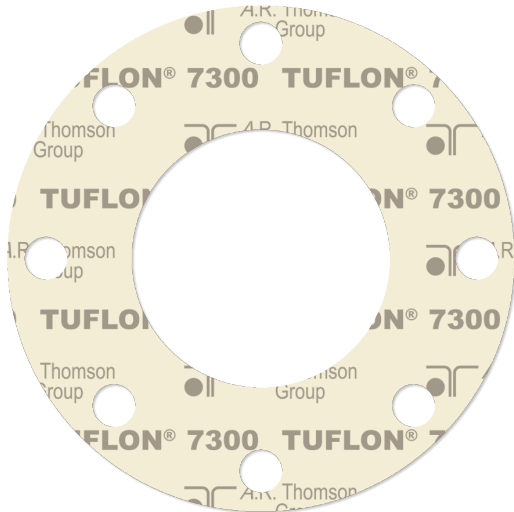


Thomson

TUFLON® 7300



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 and distilling
- General industrial use

SPECIFICATIONS

Construction:

Barium Sulfate
Filled PTFE

Colour:

Blue with Black branding.

pH Range:

0–14 pH

Temperatures:

-364°F to +500°F
(-220°C to +260°C)

Pressure:

Max: 800 PSI (55 bar)

Dimensions:

Available in 1/16" and 1/8" thickness. 60" x 60" sheet.
*80" x 80" available upon request.

See reverse for additional technical data.

Note: Specifications based on ANSI RF flanges at our preferred torque. When approaching maximum pressure or continuous operating temperature, consult A.R. Thomson.

Teflon™ is a registered trademark of The Chemours Company.

Chemical compatibility is a general guide and should be for your intended application. We recommend independent evaluation and suitability for media conditions.

TECHNICAL DATA - TUFLON® 7300

Physical Properties								
TEST METHOD		TYPICAL PHYSICAL PROPERTIES						
ASTM F36J	Compressibility: range, %	15–25						
ASTM F36J	Recovery: %	40						
ASTM F38	Creep relaxation: %	35						
ASTM F152	Tensile across grain: psi (N/mm ²)	2000 (14)						
Sealing Characteristics*								
	ASTM F37B FUEL A	ASTM F37B NITROGEN	"M & Y" FACTORS					
Gasket load: psi (N/mm ²)	1000 (7)	3000 (20)	Thickness		"m"	"y"		
			in	mm	(no units)	psi	N/mm ²	kgf/mm ²
Internal pressure: psig (bar)	9.8 (0.7)	30 (2)	1/16	1.6	4.3	1650	11.4	1.16
Leakage:	0.2 ml/hr	0.1 cc/min	1/8	3.2	2.0	1650	11.4	1.16

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.

*Values do not constitute specification limits.

AUTHORIZED DISTRIBUTOR



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