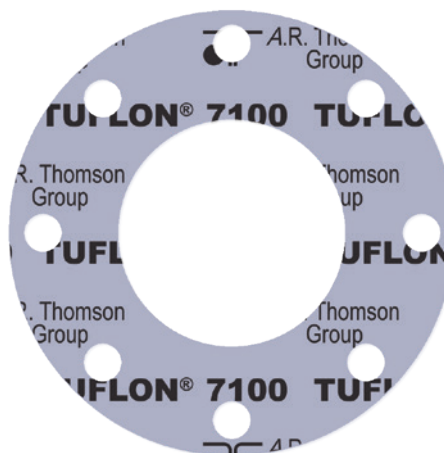


Thomson TUFLON® 7100

Glass filled Genuine Teflon®

TUFLON® 7100 is a glass filled PTFE gasketing material made with Genuine Teflon® resin and offers superior cost/use ratio, excellent chemical resistance, and reduced cold flow. It requires lower bolt loads and has an unlimited shelf life. It is also easy to cut and handle, flexible, durable, and can be easily removed from the flange face.



FEATURES / BENEFITS

- Bi-axially calendered with uniform mechanical properties and tensile strength.
- Improved performance over conventional Teflon.
- Patented welding process available: 62" x 62" sheet size.
- Reduced product loss and emissions.
- Cuts operational costs through reduced inventory, waste, maintenance and energy consumption.

TYPICAL APPLICATIONS

- Pulp and Paper
- Food processing
- Pharmaceutical
- Chemical process
- Brewing and distilling
- General industrial use

"M & Y" FACTORS

Thickness		"m"	"y"			
in	mm	(no units)	psi	N/mm ²	kgf/mm ²	
1/16	1.6	1.8	3000	20.7	2.11	
1/8	3.2	5.9	5500	37.9	3.87	

SPECIFICATIONS

Construction:

PTFE made with Genuine Teflon® resin / Glass.

Temperature range:

-450°F to +500°F (-268°C to +260°C)

Pressure, max: 800 psi (55 bar)

Tensile strength: 2030 psi (14 MPa)

Colour: Blue with Black branding.

pH Range: 0–14

Dimensions:

Available in 1/16" and 1/8" thickness.
62" x 62" sheet.

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 Group.

TECHNICAL DATA - TUFLON® 7100

Physical Properties		
TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM F36J	Compressibility: %	50
ASTM F36J	Recovery: %	16
ASTM F38	Creep relaxation: %	40
Sealing Characteristics		
	ASTM F37A	
Leakage:	0.025 ml/hr	

NOTES

This is a general guide and should not be the sole means of selecting or rejecting this material. Properties based on 1/32" (0.8mm) sheet thickness. Properties and application parameters shown are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations, consult with A.R. Thomson Group. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications subject to change without notice. This edition supersedes previous issues.

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