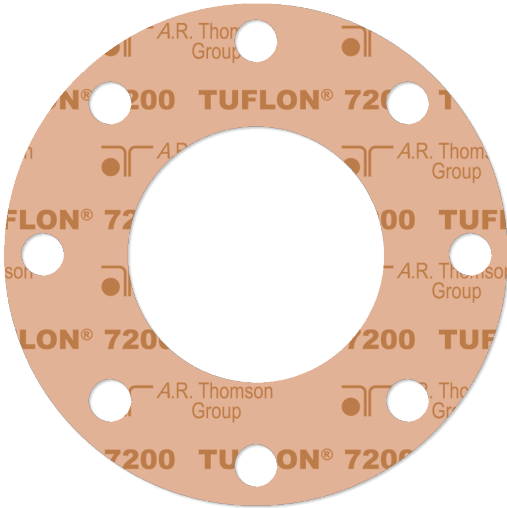


Thomson TUFLON® 7200



TUFLON® 7200 is a silica filled PTFE gasketing material with excellent chemical resistance and reduced cold flow. It has an unlimited shelf life, and easy to cut, handle, and remove from the flange face. It is an economical alternative to other filled PTFE products in the marketplace and is typically used for sulfuric acid applications.

FEATURES / BENEFITS

- Improved performance over conventional Teflon™.
- Reduced cold flow and creep relaxation.
- Cuts operational costs through reduced inventory, waste, maintenance and energy consumption.

TYPICAL APPLICATIONS

- Mining (sulfuric acid leaching process and PAL - pressure acid leaching).
- Strong acids (except hydrofluoric acid).
- Cryogenics, hydrocarbons, water, and saturated steam (less than 100 psi (7 bar), 338°F (170°C)).

SPECIFICATIONS

Construction:

Silica Filled PTFE

Temperatures:

-364°F to +500°F
(-220°C to +260°C)

Dimensions:

Available in 1/16" and 1/8" thickness. 60" x 60" sheet.

P x T, Max:

P x T = psig x °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)

Pressure:

Max: 800 PSI (55 bar)

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® 7200

Physical Properties*		
TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM F36	Compressibility: range, %	7-12
ASTM F36	Recovery: %	> 40
ASTM F38	Creep relaxation: %	18
ASTM F152	Tensile across grain: psi (N/mm ²)	2000 (14)
Sealing Characteristics*		
	ASTM F37B FUEL A	
Gasket load: psi (N/mm ²)	1000 (7)	
Internal pressure: psi (bar)	9.8 (0.7)	
Leakage:	0.22 ml/hr	

"M & Y" FACTORS

"m"	"y"	
(no units)	PSI	MPa
1.4	2320	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 PxT, consult A.R. Thomson.

* Values do not constitute specification Limits.

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