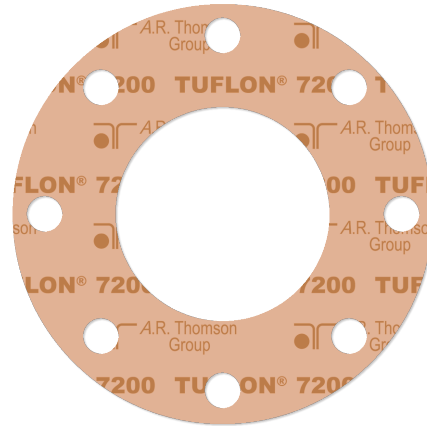


Thomson TUFLON® 7200

Silica-filled PTFE



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

Specifications*

Temperature, cont. max:

-364°F (-220°C)
+500°F (+260°C)

Pressure, max:

800 psig (55 bar)

P x T, max:**

1/32" (0.8 mm)	1/16" (1.6 mm)	350,000 (12,000)
1/8" (3.2 mm)		250,000 (8,600)

* Specifications 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.

** P x T= psig x °F (bar x °C)

Benefits

- Available in 60 x 60 sheet size
- Improved performance over conventional PTFE
- Reduced cold flow and creep relaxation
- Cuts operational costs through reduced inventory, waste, maintenance, and energy consumption

Ideal for

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

"M & Y" Factors

M Value (ASME F586): 1.4

Y Value (ASME F586): 16.0 MPa (2,320 psi)

Physical Properties*

Test Method	Typical Physical Properties	
ASTM F36	Compressibility, %:	7–12
ASTM F36	Recovery, %:	> 40
ASTM F38	Creep Relaxation, %:	18
ASTM F152	Tensile, Across Grain, psi (N/mm²):	2,000 (14)

Sealing Characteristics*

	ASTM F37B FUEL A
Gasket Load, psi (N/mm²):	1000 (7)
Internal Pressure, psig (bar):	9.8 (0.7)
Leakage:	0.22 ml/hr

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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