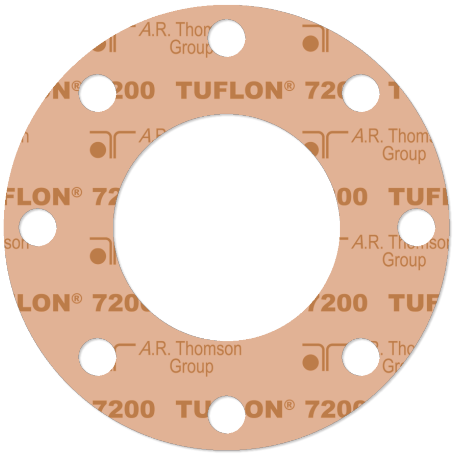
Thomson
TUFLON® 7200

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, 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).

"M & Y" FACTORS

"m"	"y"	
(no units)	psi	MPa
1.4	2320	16.0

SPECIFICATIONS

Construction: PTFE / Silica

Temperature range:
-364°F to +500°F (-220°C to +260°C)

Pressure, max: 800 psi (55 bar)

PxT, max: P x T = sig 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)

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® 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: psig (bar)	9.8 (0.7)
Leakage: ml/hr	0.22

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 Group.
* Values do not constitute specification limits.

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