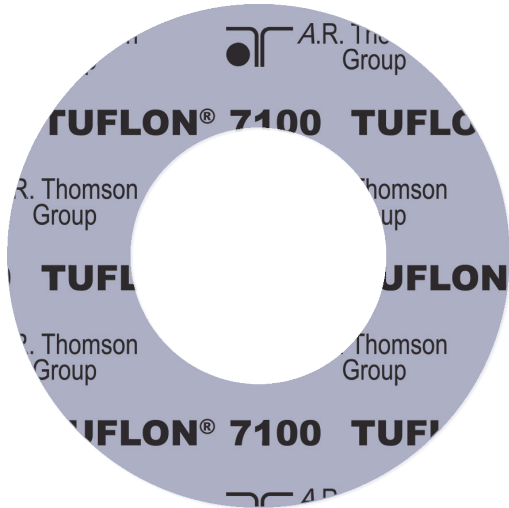


Thomson

TUFLON® 7100



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: 60" x 60" 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

SPECIFICATIONS

Construction:

PTFE made with Genuine Teflon™ resin / Glass.

Colour:

Blue with Black branding.

pH Range:

0–14 pH

Temperatures:

-450°F (-268°C)
to +500°F (+260°C)

Pressure:

Max: 800 PSI (55 bar)

Tensile Strength: 2030 PSI (14 MPa)

Dimensions:

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

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® 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 |

“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 |

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. 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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