Manufacturer of High-Performance Fluoropolymer Films, Laminates, and Composites

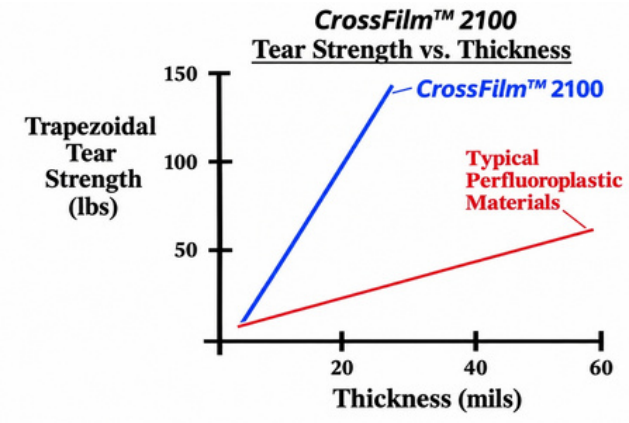
CROSSFILM™ 2110 INSULATION JACKETING

100% PTFE LAMINATE ENGINEERED FOR CORROSIVE REMOVABLE INSULATION SERVICE

CrossFilm™ 2110 Insulation Jacketing is a high strength PTFE laminate that has been targeted for challenging thermo/chemical insulation jacketing applications. It is made up solely of PTFE, which means the material is, essentially, chemically inert. Unique multidirectional strength and stress crack resistance allow this flexible, 0.010" (0.25 mm), PTFE product to perform without the need for a fiberglass reinforcement, which is susceptible to chemical attack and fatigue failure.



CrossFilm™ 2110 will operate in temperatures as high as 600°F. The nonporous membrane can be readily fabricated in many shapes using both sewing and heat sealing techniques. The product is available in many colors.



CrossFilm™ Technology: Breakthrough technology now permits thick PTFE liners to be used in expansion joint service without the fear of stress cracking due to severe operating conditions.

As witnessed by the chart, CrossFilm™ is a different perfluoroplastic altogether. It is easy to see why one judge for Chemical Processing's Vaaler Award concluded, ***"This is the first major improvement in the fluoroplastic industry since its introduction some 40-odd years ago."***

CrossFilm™ 2110 Properties:

Upper Use Temperature:	600°F (316°C) Continuous Service
Overall Weight:	14.0 oz/yd² (475 g/m²)
Thickness:	0.010 inches (0.25 mm)
Width:	60 inches (1524 mm); *cut-to-size widths available*
Tensile Strength:	40 lbs/inch (350 N/50 mm)
Tear Strength:	35 lbs (156 N)

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Fiberglass-Free Insulation Jacketing for Wet, Corrosive Environments

Since CrossFilm is a 100% PTFE product, it is unaffected by all chemicals, including wet/steam environments.

Fiberglass reinforced jacketing is susceptible to chemical attack. PTFE coatings and films will permit the permeation of moisture into the fiberglass. Also, stitching holes will enable the direct flow of fluids into the fiberglass.



Removable Insulation Jacket produced using CrossFilm™







Chemically attacked jackets produced using PTFE-coated fiberglass

The only way to guarantee a corrosion-free insulation jacket pad is to use all-PTFE jacketing.

CrossFilm Insulation Jacketing material cannot be chemically attacked, regardless of the environment. In addition, CrossFilm will meet all requirements for flame resistance and clean room specifications. Fiberglass reinforced materials can soak up oils and solvents and become flammable. CrossFilm Insulation Jacketing material will never become flammable since it does not contain components that would soak up flammable liquids.

CrossFilm™ Benefits:

- **100% PTFE — No Fiberglass:** Chemically inert; unaffected by chemicals, moisture, or solvents.
- **Broad Temperature Range:** Flexible from -90°F (-68°C) to 600°F (316°C).
- **High Strength & Tear Resistance:** Multidirectional strength with excellent stress-crack resistance.
- **Flexibility & Crease Recovery:** Conforms to complex shapes and withstands repeated removal.
- **Flame & Smoke Rated:** ASTM E84 / UL 723; applicable UBC 8-1 and NFPA 318 requirements.
- **FDA-Compliant Colors:** Slate Gray, FG Black, Blue, White, and other colors available.
- **Versatile Fabrication:** Sewn or heat-sealed.
- **Custom Dimensions:** 0.003"–0.020" thickness; 60" standard width; cut-to-size available.
- **Multi-Environment Compatible:** Clean room, steam, food, cryogenic, and underwater applications.

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