



## LFP™ CrossFilm™ EXPANSION JOINT MATERIALS

**100% PTFE CORROSION LINERS ENGINEERED FOR CORROSIVE CONDITIONS**

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### LFP™ 2109 CrossFilm™ Description:

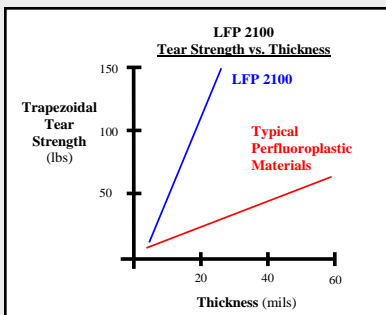
This is a 100% PTFE expansion joint material designed for the most challenging applications in industry. LFP™ 2109 CrossFilm™ is a flexible, 0.009" (0.23 mm) thick, PTFE product. Because of its unique multidirectional strength and stress crack resistance, LFP™ 2109 CrossFilm™ is a self supporting material. No reinforcements which are susceptible to chemical attack, like fiberglass, are needed.

The technology that circumvents inherent shortcomings in conventional perfluoroplastic materials utilizes a cross-pattern lamination process containing oriented PTFE film. The cross-pattern will typically incorporate 3 mil or 4 mil film plies. On occasion, thinner plies will be stacked to create thicker plies, such as 9 mil or 10 mil plies, for the laminate design.

LFP™ CrossFilm™ corrosion liners have tremendous flexing capability, easily outlasting fiberglass reinforced materials and other PTFE products in high flex applications. LFP™ CrossFilm™ corrosion liners can be fabricated or molded into all shapes and sizes.



**LFP™ 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, LFP™ 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."

**Ensure Safety! Use thick LFP™ CrossFilm™ technology.**



**EXCELLENT FLEXING CAPABILITIES**

### AWARDS

LFP™ CrossFilm™ is the winner of the 1995 Dupont Plunkett Award and Chemical Processing's Vaaler Award. Also, LFP™ CrossFilm™ has been specified by the U.S. Navy as a flexible chemical liner in the next generation of nuclear submarines.

## LFP™ 2109 CrossFilm™ Properties:

<b>Upper Use Temperature:</b>	600°F (316°C) Continuous Service
<b>Weight:</b>	13.5 oz/yd <sup>2</sup> (457.8 g/m <sup>2</sup> )
<b>Thickness:</b>	0.009" (0.23 mm)
<b>Width:</b>	60" (1524 mm) Typical; Special Widths Available
<b>Tensile Strength:</b>	25 lbs/in (223.4 N/50 mm)
<b>Tear Strength:</b>	22 lbs (99.8 N)

LFP™ CrossFilm™ is a trademark of TEXTILES COATED INTERNATIONAL.

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