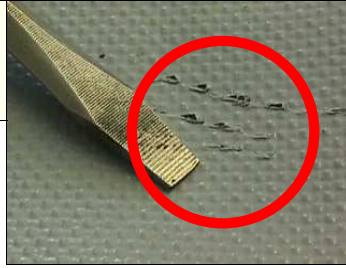


Why Use *LFP™ CrossFilm™* Expansion Joint Materials? Because thin and weak PTFE films are old technology.

1

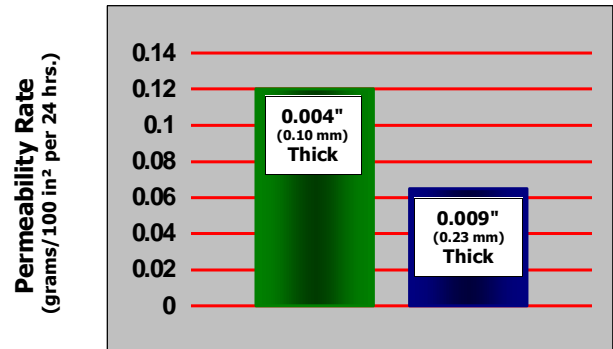
Thin films can be easily damaged during handling.



2

Thin films do not minimize chemical permeation. *LFP™ CrossFilm™* thickness begins where chemical permeation is minimized. At the minimum thickness of *LFP™ CrossFilm™* (0.009"; 0.23 mm), permeation is reduced to 50% that of 0.004" (0.10 mm) PTFE films.

Permeability vs. Thickness



Source: Ausimont USA, Inc., Halar® ECTFE Fluoropolymer Design Guide, 1995.

3

Weak PTFE films are prone to stress cracking in severe temperatures or flexing. *LFP™ CrossFilm™* has multidirectional layering of PTFE films to prevent stress-cracking.

LFP™ CrossFilm™ can be produced very thick, whereas films without multidirectional layering are more prone to cracking at increased thicknesses.

Cold Bend Test @ -90°F (-67.8°C)



Unidirectional PTFE
(0.009" laminate without multidirectional strength)

LFP™ 2109 CrossFilm™
(0.009" laminate with multidirectional strength)

Hot Bend Test @ Temperatures Above 600°F (316.5°C)



Unidirectional PTFE
(0.009" laminate without multidirectional strength)

LFP™ 2109 CrossFilm™
(0.009" laminate with multidirectional strength)



Expansion Joint materials have a new standard; thick, safe, and affordable *LFP™ CrossFilm™*. With all the money invested in metal and labor for an expansion joint, there's no reason to take chances with thin, weak films anymore...



Manufacturer of High Performance
PTFE Composites and Laminates

www.textilescoated.com