

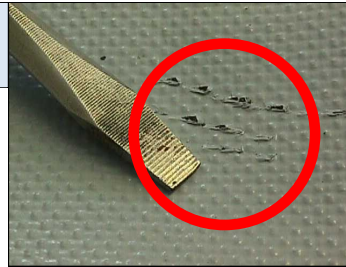


CrossFilm™ Expansion Joint Materials

Why use CrossFilm™ expansion joint materials? Because thin and weak PTFE films are old technology.

1

Thin films can be easily damaged during handling.

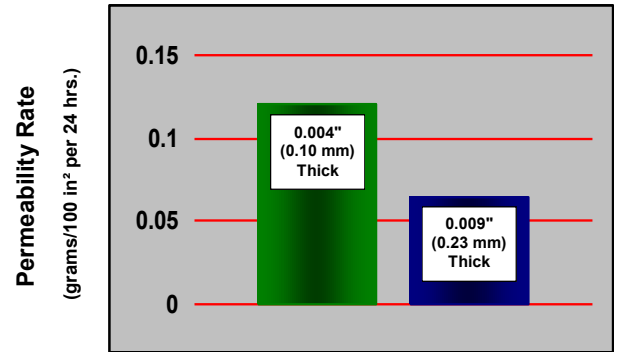


2

Weak PTFE films are prone to stress cracking in severe temperatures or mechanical flexing. CrossFilm™ is produced using cross-plyies of proprietary PTFE films to prevent stress cracking. CrossFilm™ can be safely used in a wide range of thicknesses, while weak PTFE films are prone to cracking with an increase in thickness.



Permeability vs. Thickness



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

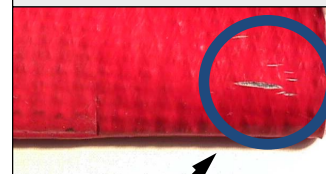
Cold Bend Test @ -90°F (-67.8°C)



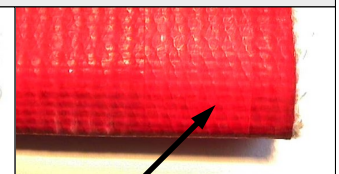
Unidirectional PTFE
(0.009" laminate without multidirectional strength)

CrossFilm™ 2109
(0.009" laminate with multidirectional strength)

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



Unidirectional PTFE
(0.009" laminate without multidirectional strength)



CrossFilm™ 2109
(0.009" laminate with multidirectional strength)

Expansion joint materials have a new standard: thick, safe, and affordable 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.

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