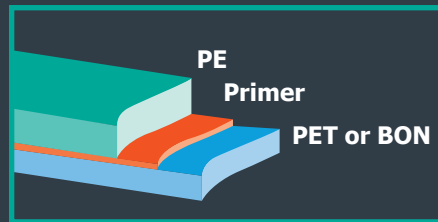


SAFEFLEX® STERILIZABLE POUCH FILM PRIMER TECHNOLOGY

SUPERIOR MOISTURE RESISTANCE

SAFEFLEX sterilizable medical device pouch films utilize a proprietary Transcendia primer system that provides a unique combination of seal strength and moisture resistance for ultimate seal integrity.

Product Construction



Transcendia
Proprietary
Primer Technology



Superior
Moisture
Resistance



Prevents
Delamination



Increased
Confidence

Potential Effects of Delamination

- Compromised aseptic presentation
- Reduced microbial barrier
- Product damage



Film to Tyvek® Product Family

200 Series

- PCH-202: 100/200 BON/PE
- PCH-203: 100/300 BON/PE

300 Series

- PCH-301: 48/200 PET/PE
- PCH-302: 48/250 PET/PE
- PCH-320: 92/200 PET/PE
- PCH-321: 92/300 PET/PE



SAFEFLEX STERILIZABLE POUCH FILM PRIMER TECHNOLOGY

SUPERIOR MOISTURE RESISTANCE

ASTM F88 Seal Strength Test

Seal strength is determined by the measure of a package seal's ability to resist separation during exposure to peel test conditions.

ASTM defined failure modes:

Delamination:

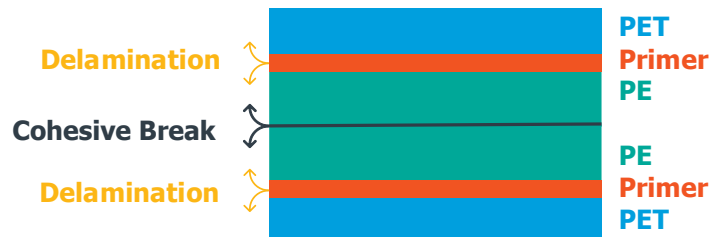
Split within the primer layer between the PE and the film

Cohesive (Adhesive):

Split between the PE seal layer or within the PE

Break (Tear):

Tear of the film at the seal layer or tab



PCH-301 ASTM F88 Seal Strength Test

PCH-301 Pouch Film was Laminated to Itself Prior to Exposure.

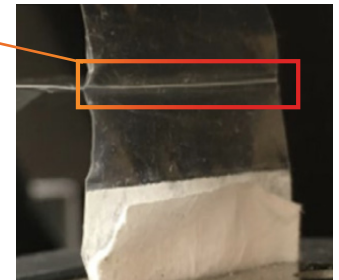
- Lamination conditions:
 - Temperature: 300°F
 - Laminator type: Pouch
- Exposure conditions:
 - Temperature: 140°F
 - Humidity: 95% RH

ASTM F88 Peel Test Conditions:

- Peel method: 90 unsupported
- Rate of separation: 12in./min

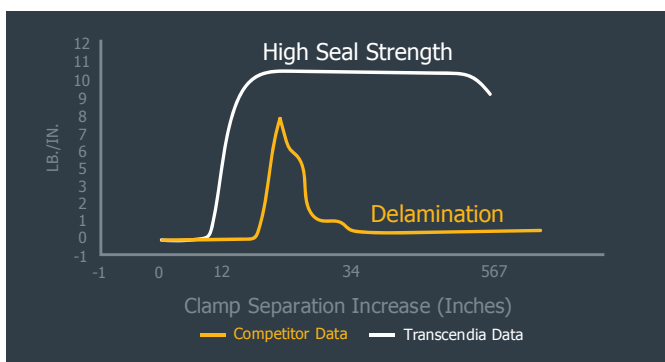
Cohesive Break

Seal strength test performed on day 6 resulted in a cohesive break indicating strong seal integrity and a consistent seal, even when exposed to humid conditions.



PCH-301 DAY 6

Seal Strength Curve Comparison



- PCH-301 pouch film maintained its seal strength and integrity over the course of multiple days and did not exhibit any delamination during peel tests.

- The result validates PCH-301 pouch film's superior performance and demonstrates how the film protects medical devices and supplies through the sterilization process and beyond.



Contact us | To speak with a Healthcare materials specialist call **800-745-5802 (US)**, **800-268-4108 (CAN)** or visit transcendia.com/contact-us

