

## Polyester Laminated to Linear Low Density Polyethylene (PTCL)

PTCL and PTWH films are a lamination of 48 gauge PET to a clear or white LLDPE sealant layer. The material provides excellent stiffness and gloss for maximum brand impact. It is frequently used in stand-up pouches or other pouches where superior retail appeal is desired. Typical applications include food (fresh and frozen), medical, and a variety of industrial products.

The lamination process traps the ink between the layers of film, guarding it from external sources of abrasion. Laminated film is also ideal for protecting print when the packaged product contains a chemical that could react negatively with surface printing. In addition to protecting the ink, lamination enhances the color and gloss of the bag.

Genuine SidePouch® bags-in-a-box are system-matched and guaranteed to run on all Automated Packaging Systems' bagging equipment.

## Technical Information

Compliances	FDA 21 CFR 177.1350 FDA 21 CFR 117.1520
Press Printing	Yes
Imprinting	Yes
Trim Seal	Yes
Bag Mil Thickness	2.5, 3.0, 3.5, 4.0
Bag Configurations	SidePouch and Stand-up Pouch with restrictions

Performance Data:	U/M	2.5	3.0	3.5	4.0
Haze	%	10.1	11.8	14.1	15.8
Puncture Resistance (Dart)	grams	548	592	641	676
Tensile Strength MD	psi	6873	6435	6029	5278
Tensile Strength TD	psi	7896	7422	6623	6056
Elmendorf Tear MD	grams	155	219	371	518
Elmendorf Tear TD	grams	163	205	368	527
OTR	cc/100in <sup>2</sup> /day	N/A	8.5	7.5	6.5
MVTR	g/100in <sup>2</sup> /day	N/A	0.39	0.32	0.28

## Formulations

- PTCL
- PTWH



## Features & Benefits

- Protects ink from abrasion and chemical breakdown
- Improved shelf appeal
- Good clarity and strength
- Excellent tear characteristics
- Very good barrier properties



Chart reflects nominal test data values. Actual results may fluctuate due to inherent process variation. Test data and mil thickness reflect PTCL material only. Certain minimum purchase volumes may apply.

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Patent(s): [www.autobag.com/patents](http://www.autobag.com/patents)

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