



Starliner[®]

Updated 04/10

Premiere Polypropylene - *Permanent*

Stock Numbers SL 4018 18" x 24" SL 4027 27" x 20"

Face: 3.8 mil White Topcoated Polypropylene
Adhesive: Permanent Acrylic
Liner: Specially processed scored release liner. Back printed in red "Starliner Permanent".

Applications and End Uses

Labels, markings and signage for inside and short term bumper stickers. Resists moisture, soaps, detergents and oils.

Description

Face A .0038" white clay coated, dimensionally stable, BOPP substrate that is 100% waterproof, and offers good chemical resistance against soaps and detergents.

Typical Physical Properties of Face Stock without Adhesive

Caliper, inches	0.0038 ± (3.8 mils)	TAPPI T-411
Tensile, psi	41 MD 106 CD	ASTM D-882
Elongation, %	15 MD 20 CD	ASTM D-882

Adhesive An acrylic emulsion with aggressive initial tack and excellent ultimate adhesion to corrugated, glass, fiber drums and various plastic substrates and other common substrates. Its patented non-ooze characteristics will provide clean kiss, die, and guillotine cutting.

Typical Physical Properties of Adhesive

Thickness, inches	0.0007 +/- 10%	TAPPI T-411
Peel Adhesion, lbs./in.	3.0	PSTC-1 (30 min. applied)
Temperature Ranges		
Minimum Application	+35°F (-2°C)	CTM #45 Curwood
Service Ranges	-65°F to +200°F (-54°C to +93°C)	Polyester Film Dry Surface

Liner A nominal 80# white kraft liner has excellent lay-flat characteristics and internal strength, toughness, tear resistance for kiss cutting.

Typical Physical Properties of Liner

Caliper, inches	0.0046 +/- 10%	TAPPI T-411
Basis Weight, lbs. (24" x 36"/500 sheets)	72 +/- 10%	TAPPI T-410

Total Caliper 0.0950 ± 10% inches (9.5 mils)

Printing Process Printable by offset-lithography. Recommended are low-tack Tyvek or plastique inks. Inks should be at least high oxidizing inks. Try and avoid fountain solution concentrates that have a glycerin or glycol base. As little ink and water as possible should be run to insure proper drying.

Shelf Life Two years when stored at 72° F and 50% R.H.

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