



Starliner[®]

Debut White Vinyl - *Permanent*

Stock Numbers	SL 5001	18" x 24"	Specially processed scored release liner. Back printed in red "Starliner Permanent".
	GX0010	27" x 20"	No scores, no printing on liner
	GX0009	27" x 38"	No scores, no printing on liner

Construction

Face: 4 mil White Topcoated Soft Vinyl
Adhesive: MP2003 Permanent Acrylic
Liner: Specially processed release liner.

Applications and End Uses

Labels, markings and signage for inside and outside applications. For applications requiring good conformability to irregular surfaces.

Description

Face A .0034" soft, white, top-coated, UV cured calendared vinyl. This durable, flexible, vinyl conforms well to irregular surfaces.

Typical Physical Properties of Face Stock without Adhesive

Tensile , lbs./in.	17 MD	14 CD	TAPPI T-494
Elongation , %	150 MD	175 CD	TAPPI T-494
Caliper : inches	0.0034 ± (3.4 mils)		TAPPI T-411

Adhesive MP2003 is 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	+25°F (-4°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 0.0830 ± 10% inches (8.3 mils)

* Although MP2003 applies at lower temperatures, vinyl becomes brittle below at lower temperatures. Recommend applying vinyl at 40°F.

Printing Process Printable by offset-lithography and screen-printing process with ink systems compatible with this product. All inks used on this product should be 100% oxidizing. Avoid all glycol, glycerin and citric acid based fountain solutions. Micron size of anti set-off powders should be 35-50. Stacks in delivery should not exceed 1.5". All over coats such as UV, aqueous and varnish coatings should be tested prior to production run. The liner utilized on this product is guaranteed line copy printable by one color only. It is NOT recommended for process or multiple color heavy coverage printing. UV screen or offset printing may cause the liner to curl.

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

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