



## Starliner<sup>®</sup>

Updated 03/13

### Lyric<sup>®</sup> 60# Matte Coated Litho - *Permanent*

#### Stock Numbers

	Sheet Size	Sheets/ Carton		Sheet Size	Sheets/ Carton
SL 0091	8 ½" x 11"	2000	SL 0093	17" x 22"	500
SL 0091-1	8 ½" x 11"	1000	SL 0095	26" x 20"	500

Also available:

Lyric Digital, Lyric Indigo and Lyric Blockout.

See these respective performance guides for more information

#### Construction

**Face:** 60# Matte Coated Litho  
**Adhesive:** MP2003 Permanent Acrylic  
**Liner:** Specially processed scored release liner. Back printed in red "Starliner Permanent"

#### Applications and End Uses

Labels, promotions and POP requiring a smooth matte appearance including scrapbook and photo album stickers.

#### Description

**Face** A 60# white matte coated litho characterized by superior printability. Displays excellent smudge resistant properties. Meets the ANSI/NISO Z39.48 for permanence and contains an alkaline reserve of at least 2%.

#### Typical Physical Properties of Face Stock without Adhesive

Caliper, inches	0.0039 (3.9 mils) ± 10%	TAPPI T-411
Brightness %	88	TAPPI T-452
pH of face stock	+7	TAPPI T-509
Lignin	Less than 1%	ANSI /NISO Z39.48-1992
Tear, grams.	58 MD 63 CD	TAPPI T-414
Tensile, lbs./in.	36 MD 15 CD	TAPPI T-494
Basis Weight, lbs. (25" x 38"/500 sheets)	60+/- 10%	TAPPI T-410

#### Adhesive

Permanent acrylic emulsion adhesive exhibiting a high initial tack on most 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-2 (30 min. applied)
Photographic Activity Test	Passes	ISO 14523
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 with scores every 1 ¼", has excellent lay-flat characteristics and internal strength, toughness, tear resistance for kiss cutting.

#### Typical Physical Properties of Liner

Caliper, inches	0.0042 +/- 10%	TAPPI T-411
Basis Weight, lbs. (24" x 36"/500 sheets)	72 +/- 10%	TAPPI T-410

#### Total Caliper

0.0087 ± 10% inches (8.7 mils) 230 g/m<sup>2</sup>

#### Printing Process

Printable by offset-lithography with compatible ink systems. Laser compatible with production sized toner fusion printers capable of using heavier weight materials. Use laser compatible inks if pre-printing. Follow printer manufacturer's recommendations on printing pressure sensitive media and always test.

#### Shelf Life

Two years when stored at 70° F and 50% R.H.

This product complies with CONEG regulations.

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