

EcoElement™ CLS Gloss/Matt Laminate

35 mic



Go Sustainable | EcoElement™ CLS Gloss/Matt Laminate is a thermal laminate with a bio-based cellulose (CLS) base film that helps printers reduce the amount of plastic used in print applications. The cellulose used to manufacture this laminate is sustainably sourced from PEFC-managed forestry, but due to its ethylene vinyl acetate co-polymer (EVA) adhesive backing, it is not a plastic-free product. It is available in a bright gloss or glare-resistant matt finish and accepts a wide range of post-laminate processes, including foil stamping, gluing, and overprinting.

EcoElement CLS Gloss/Matt Laminate measures 35 microns thick, and its easy tear properties enable thermal flexible packaging converters to create stick packs and sachets without tear notches. It is compatible with thermal laminating systems that utilize burst separation. The EVA adhesive on this laminate is compatible with offset, flexographic, and HP® Indigo inks.

KEY FEATURES

- Sustainably Sourced, Bio-Based Cellulose
- Made From PEFC-Certified Wood Pulp or Cotton Linters
- Clear Gloss or Non-Reflective Matt Finish
- Thermal Laminate With EVA Adhesive

COMPATIBLE POST-LAMINATE PROCESSES*

- Die Cutting
- Gluing
- Spot Varnish and UV
- Folding
- Printing - Offset, UV, and Screen
- Stamping

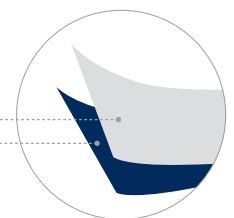
COMMON APPLICATIONS

- Board Games
- Brochures
- Business Cards
- Folding Cartons
- Pocket Folders
- Point of Sale
- Postcards and Direct Mail
- Rigid Boxes
- Sachets
- Hardbound Book Covers
- Stand-Up Pouches
- Stationery and Greeting Cards
- Stick Packs
- Three-Sided Sealed Bags
- Trading Cards

* Testing recommended for all post-laminate finishing.

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Cellulose Core
EVA Adhesive



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Properties	Description	Units	Gloss	Matt	Tolerance	Test Method / Standard
Film Type	-	-	Cellulose (CLS)	Cellulose (CLS)	-	-
Thickness	-	µm mil ga	35 1.4 138	35 1.4 138	± 3%	-
Weight	-	g/m ²	39	39	± 3%	-
Yield	-	m ² /kg	25.50	25.50	± 3%	-
Haze	-	%	0.7	72	± 3%	ASTM D1003
Gloss Level at 60°	-	Gloss Units	144.3	8.5	± 3%	ASTM D5323
Surface Energy	Finish	Dyne	40	40	38 - 42	ASTM D2578
Coefficient of Friction	Finish to Finish	Dynamic	0.4 - 0.65	0.35 - 0.55	-	ASTM D1894
Application Temperature	-	Celsius	90 - 110	90 - 110	-	Various Equipment - Always Test
Tensile Strength	-	kg/mm ²	6.12	6.12	± 3%	ASTM D882
Elongation at Break	-	%	25 - 45	25 - 45	-	ASTM D882
Tear Initiation	MD	N	0.11	0.11	± 3%	ASTM D1938
Tear Propagation	MD	N	0.06	0.06	± 3%	ASTM D1938

MD = Machine Direction
TD = Transverse Direction

STANDARD SIZES - LFCGH, LFCMH

Part Number	Description	Width (mm)	Length (m)
LFCGH.076.0755.01830	EcoElement™ CLS Gloss Laminate	755	1830
LFCMH.076.0755.01830	EcoElement™ CLS Matt Laminate	755	1830

Core Size: 76 mm | Wind Direction: Adhesive In

Sample rolls available upon request. Non-standard roll sizes can be made to order and will be subject to special pricing. Lead time for or der fulfilment may be delayed.

Note: EcoElement CLS Gloss/Matt Laminate requires special storage conditions. For more information, please refer to the EcoElement CLS Handling and Storage Instruction Sheet.

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