

EcoElement™ CLS Gloss/Matt Film

20 mic



Go Sustainable | EcoElement CLS a cellulose film made with PEFC-certified wood pulp. Every production run is manufactured with 20-25% reprocessed cellulose film. The bio-based wet laminate is free of plastics and has passed rigorous evaluation criteria. It is certified as industrial and home compostable.

This film is perfect for conventional flexographic, digital, and inkjet prime label processes. The cellulose film is well-suited to post-lamination printing and varnish effects making it an excellent choice for most label applications. The sustainably sourced film is an ideal pairing with compostable facestocks. The easy-tear film is well suited for sachets, stand-up pouches and three-sided sealed bags.

EcoElement CLS film is available in both gloss and matt finishes. The high gloss finish is extremely clear and maintains the vibrancy of pre-lamination colour. The matt finish has outstanding clarity which allows for exceptionally rich, dark tones. The sustainable film is a perfect option for label and flexible packaging projects that need to boast environmental excellence all while maintaining the highest quality in performance and durability.

KEY FEATURES

- Sustainably Sourced Bio-Based Film
- Made with PEFC-Certified Wood Pulp
- Zero-Waste in Manufacturing
- Plastic Free
- Certified Home and Industrial Compostable†
- Solventless/Solvent-Based Lamination
- Gloss: Brilliant Gloss and Low Haze
- Matt: Low Glare and Non-Reflective
- Superb Colour Tonality and Clarity

PRINTING METHODS

- Digital
- Flexographic

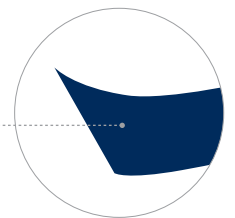
SUGGESTED PACKAGING FORMATS

- Labels
- Stand-Up Pouches
- Sachets
- Three-Sided Sealed Bags

† EcoElement CLS Film only. Nobelus takes no responsibility for compostable claims for final structures.

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Cellulose Core



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Properties	Description	Units	Gloss	Matt	Tolerance	Test Method / Standard
Film Type	-	-	Cellulose (CLS)	Cellulose (CLS)	-	-
Thickness	-	µm mil ga	20 0.8 79	20 0.8 79	± 5%	-
Weight	-	g/m ²	26.4	26.4	± 5%	-
Yield	-	m ² /kg	37.88	37.88	± 5%	-
Haze	-	%	0.7	72	± 5%	ASTM D1003
Gloss Level at 60°	-	Gloss Units	144.3	8.5	± 5%	ASTM D5323
Surface Energy	Gloss	Dyne	38-42	38-42	± 5%	ASTM D2578
	Matt		38-42	38-42		
Coefficient of Friction	Finish to Finish	Dynamic	0.4-0.65	0.35-0.55	± 5%	ASTM D1894
Tensile Strength	MD	kg/mm ²	4.59	4.59	± 10%	ASTM D882
Elongation at Break	MD	%	25 - 45	25 - 45	± 5%	ASTM D882
Thermal Shrinkage	MD	%	1-1.5	1 - 1.5	± 5%	ASTM D2732
Tear Initiation	MD	N	0.32	0.018	± 5%	ASTM D1938
Tear Propagation	MD	N	0.017	0.013	± 5%	ASTM D1938

* Values are subject to change or cannot be measured exactly due to uneven surface.

MD = Machine Direction

STANDARD SIZES - Gloss, UF4001

Part Number	Description	Width (mm)	Length (m)
UF4001.076.0330.02500	EcoElement™ CLS Gloss Film	330	2500

STANDARD SIZES - Matt, UF4002

Part Number	Description	Width (mm)	Length (m)
UF4002.076.0330.02250	EcoElement™ CLS Matt Film	330	2250

Core Size: 76 mm | **Wind Direction:** Apply 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.

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

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YOUR SUSTAINABILITY PARTNER

IN RESEARCH, SUSTAINABLE SOURCING, RESPONSIBLE MANUFACTURING AND EDUCATION

As brands worldwide begin to embrace sustainable initiatives, we are here to partner with you in identifying environmentally conscious solutions to meet these ecologically responsive expectations. Let's work together for a greener tomorrow.

Industrial Compostable per
ASTM D6400/D6868 & EN 13432



Certified APP
Plastic Free®



TUV Austria Certified
- OK Compost Home



Stringent Sourcing Guidelines -
Programme for the Endorsement
of Forest Certification

Manufactured in an ISO 14001-2015
& ISO 9001-2005 Certified Facility

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