

Nilak Biodegradable
Thermo Laminating Film

Description:

Nilak Biodegradable Thermo Laminating film offers superb optical clarity. It is perfect for display graphics and its satin finish produces no discernible color shift. Composed of biodegradable film and adhesive layers it creates an eco-friendly, waterproof encapsulated graphic. Its non-oriented polyester construction provides superb lay flat and anti-curl properties when equal weight applied to both sides of substrate. It offers superior adhesion to paper and film substrates alike and offers excellent scuff protection.

Characteristics:

- Easily formed or folded.
- Superior abrasion resistance.
- Water, oil, acid, and alkali resistant.
- Can be die cut.
- Embossable.
- Environmentally friendly.
- Biodegradable: Degrades when disposed of in an anaerobic environment (e.g. landfill).
- Typical degradation takes between nine months and five years dependant on specific conditions.
- Will not degrade under normal atmospheric conditions beyond expected wear.

Sizes Available (3" Core Rolls):

- | | |
|--|-----------------------------------|
| 1/2 = 1 mil Bio Thermo Laminate / 2 mil Bio Adhesive | (Print Media, Retracting Banners) |
| 1/4 = 1 mil Bio Thermo Laminate / 4 mil Bio Adhesive | (Paper & Direct Print) |
| 4/6 = 4 mil Bio Thermo Laminate / 6 mil Bio Adhesive | (Detachable & Mural Graphics) |

Size (Mil)	Width (In)	Length (Ft)	Min. Order (Rolls)	Lbs/Roll
.003 = 1/2	51	250	5	30
.003 = 1/2	38	250	10	22
.003 = 1/2	12	250	20	7
.005 = 1/4	51	250	5	50
.005 = 1/4	38	250	10	37
.005 = 1/4	12	250	20	12
.010 = 4/6	51	250	5	100
.010 = 4/6	38	250	10	74
.010 = 4/6	12	250	20	24

Note: All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own tests. Ecorite Imaging shall have no liability as a result of any loss, expense, damage, cost or other injury which result from Purchaser's reliance on the Information.

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Technical Data:

Properties	Typical Value	Test Method
Thickness ± 10%	0.010"	
Surface Tension (Adhesive Side)	44 - 52 dynes	
Coefficient of Friction (Base Film Side)	0.85-0.95	D 1894
Tensile Strength + 10%	MD 5100 psi TD 5300 psi	D 882
Elongation	MD 274% TD 291%	
Yield	2500 in ² /lb	
Laminating Temperature Range (Internal)	230°F - 250°F	
Bond Strength (Laminated to Itself)	15p/l	

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