



## SynDECOR® White Specialty Opaque OPP Film

### Applications

- Ideally suited for flat laminations and profiles where a water-resistant, environmentally-sensitive, cost-effective overlay would be of value. Applications include
  - RTA Furniture
  - Cabinets
  - Laminated Flooring
  - Shelving Systems
  - Mouldings
  - Store Fixtures
  - Case Goods
  - Closets

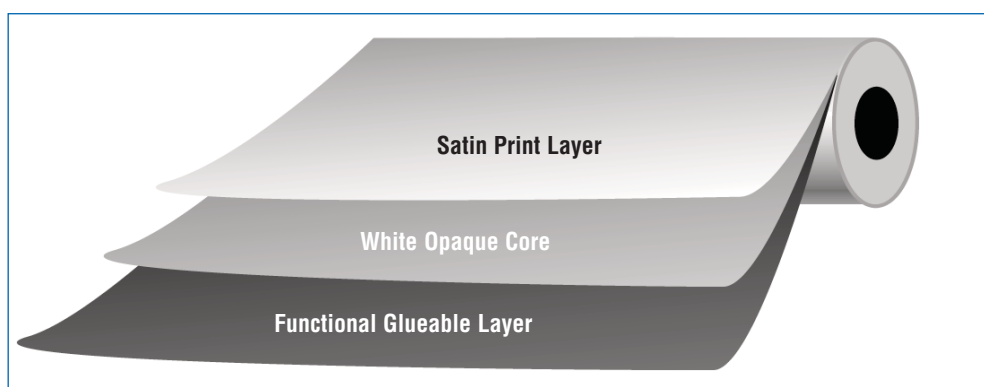
### Features

- Water resistance (>48hr)
- Consistent adhesion performance
- High print fidelity
- UV stable
- Ideal for miter-folds
- Excellent barrier to formaldehyde
- Recyclable
- Dimensionally stable
- High opacity
- Tear resistant
- Formaldehyde free

### Contact Us

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SynDECOR® is a polypropylene-based decorative overlay that is UV stabilized for durability and functionality engineered to adhere to EVA, PUR, PVA and UF-based adhesives. Featuring a patented technology, this highly engineered product has a smooth, non-absorbent surface that is ideal for high print fidelity and topcoat performance. Its superior balance of properties includes exceptional water resistance, excellent adhesion, UV stability and it is recyclable.



### Slit Roll Information

Thickness Mils	Yield ft <sup>2</sup> /lb	Basis Weight lbs/ream	Slit Roll Factors	
			Standard length	lbs/in width
1.25	156	19.7	46,500 ft	24.9
1.65	115	26.1	36,300 ft	26.4

### Slit Roll Information – Metric

Thickness Microns	Yield m <sup>2</sup> /kg	Basis Weight g/m <sup>2</sup>	Slit Roll Factors	
			Standard length	g/mm width
31.8	32.0	32	14,200 m	445
41.9	23.6	41	11,100 m	472

Satin print layer wound on outside of slit roll. Standard rolls are 32 inches (813 mm) in diameter, wound on 6-inch (152 mm) ID paper cores. Standard widths are from 40 to 65 inches (1,016 to 1,651 mm), slit in 1/8 inch (3 mm) increments.

**Note:** SynDECOR must be topcoated for use as a finished decorative overlay. It is the Topcoating that provides scratch, mar, abrasion and stain resistance. The physical properties of the printed and/or coated SynDECOR are available from your supplier. For a list of recommended adhesives, contact your supplier.

# SynDECOR® White

## Film Properties

### Optical Properties (Mils) 1.25 1.65

Printable Side		
Whiteness Index <sup>(4)</sup>	90	93
TAPPI Opacity <sup>(2)</sup>	85	92

### Barrier Protection

Water Holdout <sup>(3)</sup> > 48 hrs.

### Surface Properties

Surface Tension (dynes)	
Printable Side	38
Glueable Side	N/A

### Physical Properties (Mils)

	Machine Direction		Transverse Direction	
	1.25	1.65	1.25	1.65
Tensile strength, psi	15,000	15,300	28,000	31,000
Tensile modulus, psi	220,000	219,000	380,000	370,000
Elongation, %	170	180	50	50
Shrinkage at 275°F, % <sup>(1)</sup>	7	5	5	3

## Film Properties – Metric

### Optical Properties (Microns) 32 41

Printable Side		
Whiteness Index <sup>(4)</sup>	90	93
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### Barrier Protection

Water Holdout <sup>(3)</sup> > 48 hrs.

### Surface Properties

Surface Tension (dynes)	
Printable Side	38
Glueable Side	N/A

### Physical Properties (Microns)

	Machine Direction		Transverse Direction	
	32	41	32	41
Tensile strength, kg/mm <sup>2</sup>	10.55	10.71	19.69	21.70
N/mm <sup>2</sup>	103.4	105.5	193.1	213.7
Tensile modulus, kg/mm <sup>2</sup>	154.7	153.3	267.2	259.0
N/mm <sup>2</sup>	1,517	1,510	2,620	2,551
Elongation, %	170	180	50	50
Shrinkage at 135°C, % <sup>(1)</sup>	7	5	5	3

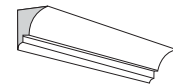
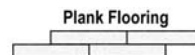
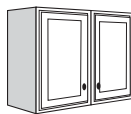
(1) AET Method

(2) ASTM D-589

(3) NEMA

(4) ASTM 313E

## Key Market Applications



Data presented on these pages represent typical properties only. Specifications are available upon request. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.