

# Product Specification Document



**GENERAL DESCRIPTION:** Celgard BASIX Satin / Matt UV is a monomeric cold lamination film that is UV stable cutting out 99% of UVA & UVB rays . It has a quality PVC face film combined with a pressure sensitive acrylic adhesive. This transparent film has high clarity when laminating vivid colour images. It has a 130gsm PE single release liner and is self wound. We recommend a cold lamination process, if heated operation is required with an automatic roll laminator, we suggest applying firm pressure between rollers and set temperature between 35-40 degrees Celcius. THICKNESS: 80 micron (3.2mil)

## Celgard BASIX - SATIN / MATT UV

Item	Unit	Spec. Value	Test Method
<b>I . Dimension &amp; Tolerances</b>			
1. Thickness	mm	0.240±0.020	JIS Z 0237
2. Inside Diameter of rolls	mm	75	
3. Basic Weight	g/m <sup>2</sup>	230±20	
<b>II . Composition :</b>			
1. Face Film		Soft PVC	
Thickness	mm	0.080±0.010	JIS Z 0237
2. Adhesive - pressure sensitive		Acrylic PSA	
Thickness	mm	0.03±0.005	JIS Z 0237
3. Release Paper (base paper weight)		100gsm-Single Side PE	
Thickness	mm	0.130±0.010	JIS Z 0237
<b>III . Physical &amp; Chemical Property</b>			
1. Ball Tack	No.	5 ~ 10	JIS Z 0237
2. 180° Peel Adhesion	g/25mm-20min	800↑	JIS Z 0237
	g/25mm-24hr	1200↑	JIS Z 0237
3. 90° Release Force	g/50mm	40±20	JIS Z 0237
4. Holding Power	hr/25mm*25mm*1KG	72↑	JIS Z 0237
5. Tensile Strength	g/10mm	1500↑	JIS Z 0237
6. Elongation	%	150↑	JIS Z 0237
7. Shrinking	% (80°Cx48hrs)	0.5↓	
8. Opacity			
9. Glossy	Degree/60° Angle	10±5	ISO 2813
10. Heat Resistance	°C	80	
11. Cold Resistance	°C	5	
12. Storage Condition	°C & Relative Humidity	5~40°C & 35~75%	
13. Storage Validity	Year	1	
14. Durability	Year	3yr outdoor	

### STANDARD

**JIS Z 0237** Testing methods of pressure-sensitive adhesive tapes and sheets

**ISO 2813** Paints and varnishes - Determination of specular gloss of non-metallic paint films at 20°, 60°and85°

**ISO 4892-3** Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps

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