

Product Specification Document



GENERAL DESCRIPTION: Celgard BASIX Mattex is a monomeric cold lamination film. 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 - MATTEX

Item	Unit	Spec. Value	Test Method
I . Dimension & Tolerances			
1. Thickness	mm	0.240±0.020	JIS Z 0237
2. Inside Diameter of rolls	mm	75	
3. Basic Weight	g/m ²	230±20	
II . Composition :			
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
III . Physical & Chemical Property			
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 indoor, 1yr 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			

Celmac Pty Ltd
 6 Syme Street, Brunswick, Vic 3056 Australia
 Ph: + 61 3 9380 7111 Email: info@celmac.com.au



www.celmac.com.au