

SPECIFICATION OF MXA FILM

Inspection Details Prepared for Photodon, LLC

PROPERTIES		SPEC	METHODS
Structure	Top Liner	70µm	
	AG resin	5µm	
	Substrate PET film	100µm	
	Silicon resin	50µm	
	Release film	50µm	
Physical Properties	Thickness Total without liners	275 / 155 ± 10 µm	Detected by micrometer
	Transmittance	> 92%	HITACHI U-4000 spectrophometer JIS K-7361
	5 degree Reflectance	< 1.7%	HITACHI U-4000 spectrophometer JIS K-7361
	Minimum Reflectance	< 0.5%	HITACHI U-4000 spectrophometer JIS K-7361
	Hardness	≥ 3H	JIS K-5400/8.4 Standard
	Adhesion	100/100	JIS K-5400/8.5 Standard
	Adhesive Peel Strength	5 ± 2 gf/inch	JIS-20237 Standard
	Tack of adhesive	> 20 cm	JIS-20237 Standard
	Environment Test	Below ± 5% change of visible transmittance	500 hours of tests in 80°C • 60°C / 90% RH and UV exposure environment
	Solvent Resistance	Surface is not damaged after testing	Surface not damaged by 5 % NaOH - Alcohol and 3 % HCl solvent
Fault:	Appearance	Calculation Limit	Number
Surface Inspection	Scratches	(1) Width : More than 0.2mm, Length : not specified	Not allowed
		(2) Width: 0.1mm to 0.2mm, Length: less than 20mm	Less than 3 pieces / meter squared
		(3) Width: 0.05mm to 0.1mm, Length: less than 30 mm	Less than 3 pieces / meter squared
		(4) Width: less than 0.05mm, Length: not specified	Nothing
	Foreign Articles	(1) Size: More than 0.6mm ²	Less than 3 pieces / meter squared
		(2) Size: 0.3 mm ² to 0.6 mm ²	Less than 3 pieces / meter squared
		(3) Size: 0.1 mm ² to 0.3 mm ²	Less than 3 pieces / meter squared
		(4) Size : less than 0.1mm ²	Nothing
	Concave Defects Coating Void Bubbles	(1) Size: More than 1mm ²	Less than 1 piece / meter squared
		(2) Size: 0.6 mm ² to 1 mm ²	Less than 3 pieces / meter squared
		(3) Size: 0.3 mm ² to 0.6 mm ²	Less than 5 pieces / meter squared
		(4) Size: less than 0.3mm ²	Nothing

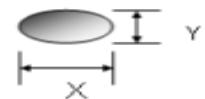
[RoHS Compliance Certificate](#)

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1. Physical properties of AR layer are tested before applying adhesives.

2. Defect definition Size = (X+Y) /2



Roll Size: 685mm x 200 meters (27 inches x 656 feet)