

Polarizer Film Specification Sheet

A Polarizer Structure

	Description	Material	Dimension
a	Protect Layer	PET	55 +/- 6um
b	Polarizer Substrate	Hty PVA	164 +/-15um
c	Adhesive Layer	Acrylic Resin	20 +/- 5um
d	Peel Off Layer	PET	38 +/- 4um

B Specification

Visual Spec

	Layer	Description	Acceptance Criteria	Method
a	Protect Layer & Pell off Layer	Scratch	Not allow if affect the polarizer substrate	Visual
		Bubble	Diameter <10mm, Qty < 8	Visual
		Adhesive Residue	Not transferable	Visual
		Haze	Not allow haze on polarizer substrate	Visual
b	Polarizer Substrate	Bubble	diameter < 0.15mm	Visual
		Scratch	Not allow	Visual
		Fold Mark	Not allow	Visual
c	Polarizer	Deformation	h < 1mm	Thickness gauge
		Wave Surface	wave < 1mm	Thickness gauge

Dimensional Spec

	Parameter	Dimension
a	Length (mm)	85 +/- 0.5
b	Width (mm)	40 +/- 0.5

Mechanical Spec

	Parameter	Acceptance Range
a	Peel off force (N/25mm)	<0.49
b	Dimension shrink (%)	<3
c	Termal heat resistance (%)	< 5

Optical Spec

	Description	Parameter	Acceptance Range
a	Light Transmission	Single Polarizer (%)	42.2 +/- 1.5
		Perpendicular Polarizer angle (%)	< 0.01
		Parallel Polarizer angle (%)	35.5 +/- 2.0
b	Polarize Rate		99.9