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Linear Polarizers

## PF006 - Linear Polarizer by the foot \$15.00

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Categories

[PF006]

Minimum order: 2

0 items

### Linear Polarizers

Circular Polarizers  
Wave Retarder Film  
Polarized Image Cards  
Skylight Compass

This Polyvinyl Alcohol-Iodine filter has no color distortion (neutral) and very good polarization efficiency (0.002% crossed transmission at 570 nm). The losses are low (38% transmission for unpolarized incident light).

It comes in a width of 17" (43cm) and you can order any length in multiples of 1 foot (30.5cm) (full roll is 800 ft long = 244 meters). The transmission axis is parallel to the width. It is 0.006 inch (0.15 mm) thick.

Just \$15 per linear foot, **that's only 7 cents/square inch (1 cent/cm<sup>2</sup>)**.

Easy to cut with scissors to any shape.



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### Transmission vs. Wavelength

(Unpolarized incident light) See Plot

Wavelength [nm]	Single Pass	Parallel	Crossed
760	0.43	0.37	<b>0.00083</b>
700	0.40	0.32	<b>0.000015</b>
650	0.38	0.29	<b>0.000015</b>

600	0.38	0.29	<b>0.000017</b>
550	0.40	0.31	<b>0.00009</b>
500	0.41	0.33	<b>0.0015</b>
450	0.39	0.30	<b>0.0010</b>
400	0.35	0.21	<b>0.026</b>

Sold by length in multiples of 1 ft (30.5 cm).  
For example, an order of 3 corresponds to 17 inches by 3 ft  
(43cm x 91.5cm).

**Minimum Order:** Just 2 feet!

This product was added to our catalog on Thursday 01 January, 2009.

Qty:



Customers who bought this product also purchased

Thursday 06 August, 2009

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