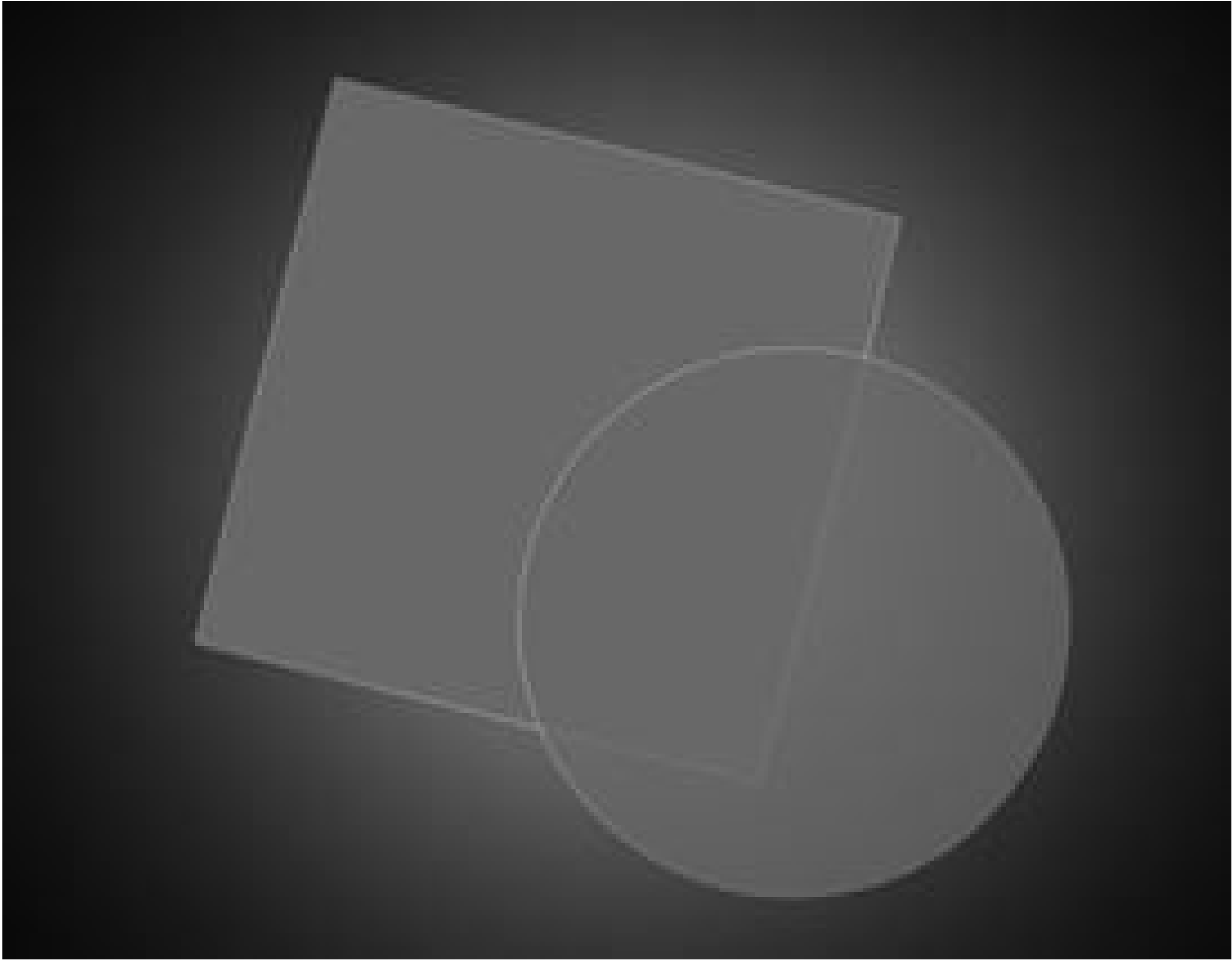
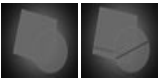


50 x 50mm, $\lambda/4$ Retarder Film (WP140HE)



Retarder Film with protective film removed



Stock **#14-723** 20+ In Stock

-

1

+

A\$34^{.00}

ADD TO CART

Volume Pricing	
Qty 1-10	A\$34.00 each
Qty 11+	A\$28.64 each
Need More?	Request Quote

Product Downloads

General

Retarder Film

Type:

Note:
Fast axis is indicated by a black stripe on the protective film. This film should be removed before use.

Physical & Mechanical Properties

50.00	Length (mm):
50.0 x 50.0	Dimensions (mm):
0.06 ±0.003	Thickness (mm):
+0.0/-0.5	Dimensional Tolerance (mm):
Polarizing Film	Construction:
50.00	Width (mm):

Optical Properties

588	Design Wavelength DWL (nm):
Polymer Film WP140HE	Substrate: □
λ/4	Retardance:
>89	Transmission (%):
90.00	Phase Shift (°):
400 - 700	Wavelength Range (nm):
1.58	Index of Refraction (n _d):
147 ±4	Retardation (nm):

Material Properties

<1	Haze (%):
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Environmental & Durability Factors

-40 to +120	Operating Temperature (°C):
80 x 1000	Heat Resistance (°C x Hours):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

Product Details

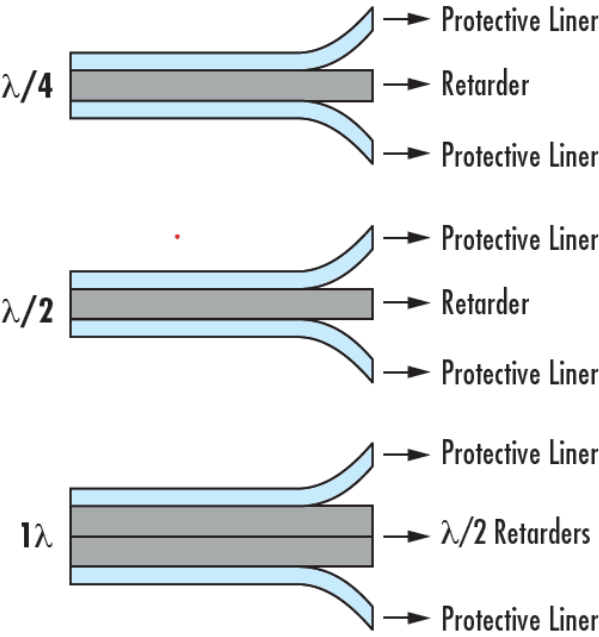
- Highly Durable Polymer Sheets
 - λ/4 (WP140HE) Achromatic Retarder with Greater than 90% Transmission from 450-700nm
 - λ/4 (WP140HE), λ/2 (WP280), and 1λ (WP560) Retarder Films Available
- Polymer Retarder Film is an extremely durable, birefringent polymer sheet that has been designed to modify the polarization state of transmitted light. The highly transparent, achromatic λ/4 (WP140HE) and λ/2 (WP280) Polymer Retarder Films consist of a single layer, modified polycarbonate sheet that acts an achromatic retarder, and is optically and mechanically sound up to 90°C or 80°C respectively. The 1λ (WP560) Polymer Retarder Film consists of two λ/2 films that have been laminated together to create retardation values of 560nm. These films are ideal for use in a variety of coherent and polarized light applications, including circular polarizers, LCDs, and fiber optics.

Immediate Custom Quotes Available

If you have a need for any round, square, or rectangular size of a Polymer Retarder Film in dimensions between 3mm and 600mm, please visit our [Polarizing Film Tool](#). We'll provide an immediate quote, and can deliver the part to your requested size in approximately 3 weeks. A full list of standard manufacturing tolerances and restrictions are listed. For fully customized polymer polarizers to your requirements, visit our [Customized Polymer Polarizers Capabilities](#) page.

Technical Information

Polymer Retarder Film



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