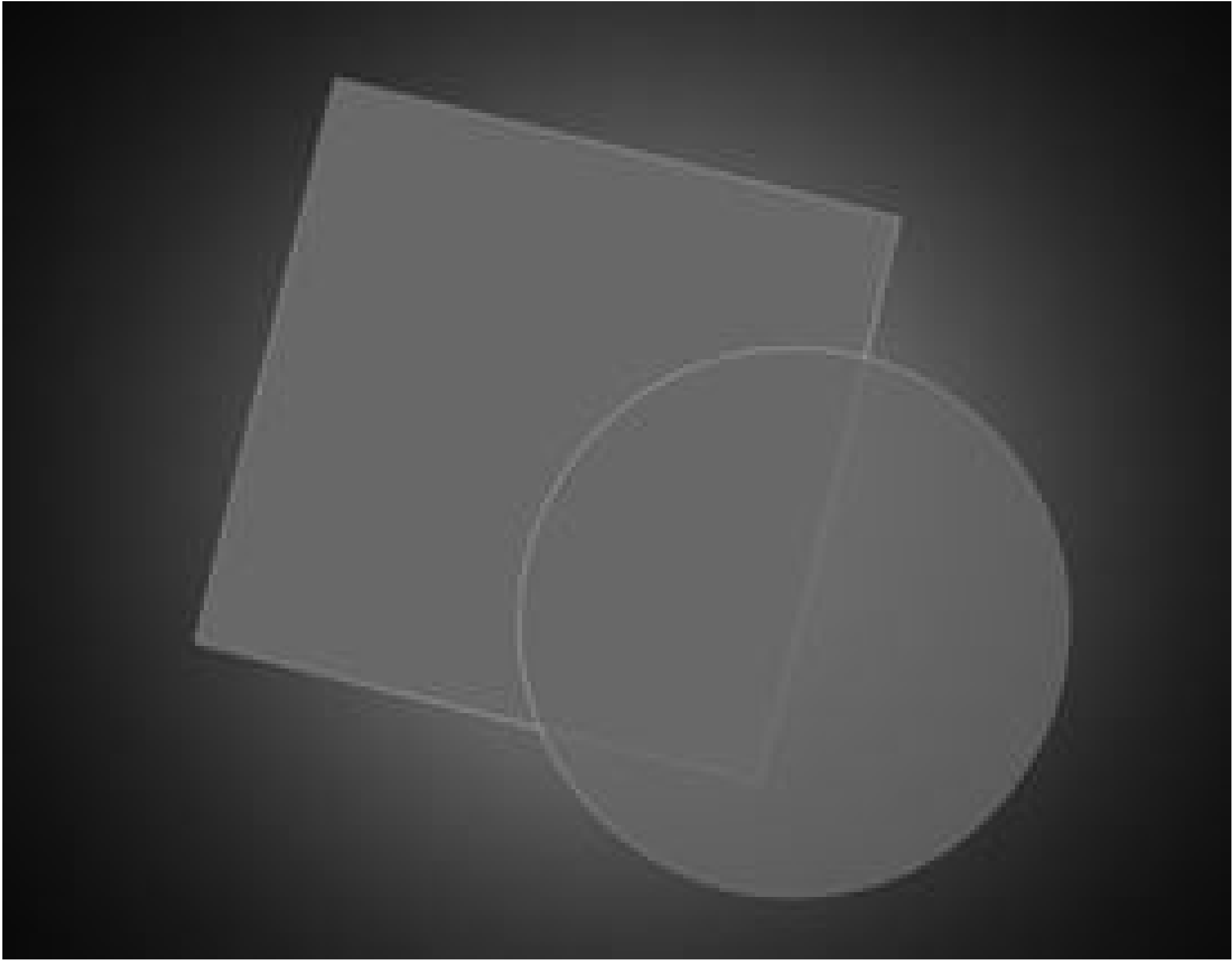
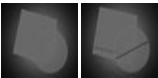


50 x 50mm, $\lambda/2$ Retarder Film (WP280)



Retarder Film with protective film removed



Stock **#88-254** 20+ In Stock

-

1

+

€21^{,25}

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Volume Pricing	
Qty 1-10	€21,25 each
Qty 11+	€17,90 each
Need More?	Request Quote

⚠ Prices shown are exclusive of VAT/local taxes

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 ±0.006	Thickness (mm):
+0.0/-0.5	Dimensional Tolerance (mm):
Polarizing Film	Construction:
50.00	Width (mm):

Optical Properties	
560	Design Wavelength DWL (nm):
Polymer Film WP280	Substrate: ☐
λ/2	Retardance:
>90	Transmission (%):
180.00	Phase Shift (°):
400 - 700	Wavelength Range (nm):
280 ±5	Retardation (nm):

Material Properties	
<1	Haze (%):

Environmental & Durability Factors	
-30 to +80	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

