See all 13 Products in Family

560nm, λ/2 Polymer Waveplate

Polymer Waveplates (Retarders)

Stock **#90-936** **1 In Stock**

- 1 + **S$464.80**

ADD TO CART

Volume Pricing	
Qty 1-5	**S$464.80** each
Qty 6-25	**S$372.40** each
Qty 26+	**S$338.80** each
Need More?	Request Quote

Product Downloads

General

Type:
Polymer Waveplate

Physical & Mechanical Properties

Diameter (mm):
25.00

Thickness (mm):
2.00 ±0.2

Parallelism (arcmin):
3.00

Dimensional Tolerance (mm):
+0.0/-0.2

Construction:
Birefringent Polymer Stack

Optical Properties

Coating:
R_{avg} <0.5% @ 400 - 700nm

Design Wavelength DWL (nm):
560

Substrate:
B270

Retardance:
λ/2

Retardance Tolerance (nm):
±10 @ 560

Retardance Order:
0

Regulatory Compliance

RoHS 2015:
Compliant

Reach 224:
Compliant

Certificate of Conformance:
View

Product Details

- True Zero Order Waveplate Performance
- λ/4 and λ/2 Retardance
- Available with Multiple Wavelengths or Achromatic Designs

Polymer Waveplates (Retarders) are durable, low-cost alternatives to quartz waveplates that feature a thin birefringent polymer film layered between two glass windows. The waveplates are designed to act as true zero order waveplates, providing stable performance over wavelength shift and wide angles of incidence. Due to their cemented construction and plastic birefringence material, these waveplates, or retarders, are not recommended for high power laser use or for extreme temperature shifts. Polymer Waveplates (Retarders) have either λ/4 and λ/2 retardance. They are offered in 405 to 650nm.

Note: Fast axis is marked on the edge of the glass.

;