

633nm, $\lambda/2$ Polymer Waveplate



Polymer Waveplates (Retarders)

Stock **#90-937** 10 TO 12 DAYS

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1

+

₹34,877

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SPECIFICATIONS

General	
Polymer Waveplate	Type:

Physical & Mechanical Properties	
25.00	Diameter (mm):
2.00 ±0.2	Thickness (mm):
3.00	Parallelism (arcmin):
+0.0/-0.2	Dimensional Tolerance (mm):
Birefringent Polymer Stack	Construction:
Optical Properties	
R _{avg} <0.5% @ 400 - 700nm	Coating:
633	Design Wavelength DWL (nm):
B270	Substrate: ☐
$\lambda/2$	Retardance:
±10 @ 633	Retardance Tolerance (nm):
0	Retardance Order:
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 224:
View	Certificate of Conformance:

PRODUCT DETAILS

- True Zero Order Waveplate Performance
- $\lambda/4$ and $\lambda/2$ 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 $\lambda/4$ and $\lambda/2$ retardance. They are offered in 405 to 650nm.

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