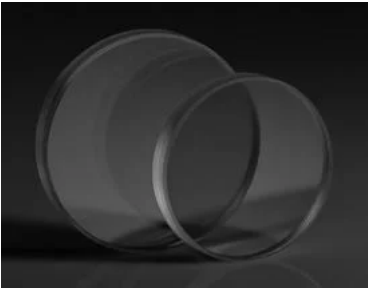


<< [See all 12 Products in Family](#)



50mm Dia., VIS Coated, Linear Glass Polarizer (XP42)



Stock **#19-652** ✓ **In Stock**

-

1

+

\$192^{.92}

Qty 1-9	Qty 10+	Volume
\$192.92	\$173.84	Pricing

[Request
Quote](#)

Product Downloads

SPECIFICATIONS

General			
Type:		Linear Polarizer	
Physical & Mechanical Properties			
Diameter (mm):		50.00	Thickness (mm): 2.00 ±0.10
Dimensional Tolerance (mm):		±0.00/-0.20	Construction: Laminated Glass Polarizing Film

Optical Properties

Coating: VIS AR Coated	Extinction Ratio: 9000:1 @ 546nm
Substrate: XP42  Laminated Between Glass	Transmission (%): 45 @ 546nm
Coating Specification: R_{avg} 0.5% @ 425 - 700nm	Wavelength Range (nm): 425 - 700
Polarization Efficiency (%): >99.98 @ 546nm	

Environmental & Durability Factors

Operating Temperature (°C): -10 to 55	
--	--

Regulatory Compliance

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

PRODUCT DETAILS

- Uncoated and Visible AR Coated Options
- >99.98% Polarization Efficiency
- 42% Transmission for Uncoated and 45% Transmission for AR Coated Versions
- XP42 Plastic and Film Also Available

TECHSPEC® High Contrast Glass Linear Polarizers (XP42) are a high transmission, high efficiency solution that

are ideal for a broad range of industrial and laboratory applications. Featuring a >99.98% polarization efficiency and an extinction ratio of 9000:1, these polarizers are constructed with an **XP42 high contrast linear polarizing film** laminated between two pieces of optical grade glass. TECHSPEC High Contrast Glass Linear Polarizers (XP42) are available uncoated or with a visible AR coating that provides increased transmission from 425 – 700nm. Typical single filter transmission with randomly polarized incident light is 42% for the uncoated options and 45% for the AR coated options.

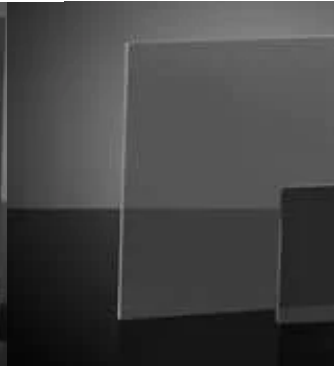
RELATED PRODUCTS



**High Contrast Plastic
Linear Polarizers
(XP42-200 & XP42-
300)**



**High Contrast Linear
Polarizing Film
(XP42)**



Linear Polarizers



Polarizer Mounts

CUSTOM

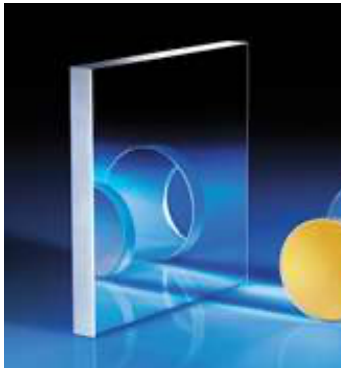
Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

FREQUENTLY PURCHASED TOGETHER



**#32-945 - 25mm Dia
Enhanced Aluminum,
4-6λ Mirror**

\$29.42



**#43-787 - 50mm
Diameter Unmounted,
Linear Glass
Polarizing Filter**

\$58.30



**#43-893 - 50mm
Diameter x 3.3mm
Thickness, Uncoated,
BOROFLOAT®
Window**

\$33.13



**#55-455 - 50mm,
Polarizer Mount**

\$259.35

