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TECHSPEC® 40mm Dia.Linear Plastic Polarizer (XP42-200)

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- 1 + **S$49.70**

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Volume Pricing	
Qty 1-5	**S$49.70** each
Qty 6-49	**S$39.62** each
Qty 50-99	**S$37.38** each
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Product Downloads

General

Type:

Linear Polarizer

Physical & Mechanical Properties

Diameter (mm):

40.00 +0.0/-0.3

Thickness (mm):

2.22 ±0.25

Construction:

Polarizing Film on PMMA

Optical Properties

Extinction Ratio:

9000:1

Substrate:

XP42-200 on PMMA

Transmission (%):

Single: 42
Parallel: 36
Crossed: <0.004

Wavelength Range (nm):

400 - 700

Polarization Efficiency (%):

>99.98

Environmental & Durability Factors

Operating Temperature (°C):

-40 to +80

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 235:

Compliant

Product Details

- Excellent Extinction Ratio of 9000:1
- Increased Durability through Lamination on PMMA
- High Transmission of Unpolarized Light from 400 – 700nm

TECHSPEC® High Contrast Plastic Linear Polarizers (XP42-200 & XP42-300) are ideal for a variety of imaging applications. Offered in multiple sizes, these linear polarizers feature an excellent extinction ratio and high transmission of unpolarized light from 400 – 700nm. The plastic substrate results in a lightweight polarizer, ideal for weight constrainted applications. TECHSPEC® High Contrast Plastic Linear Polarizers (XP42-200 & XP42-300) offer increased durability compared to **polarizing film**.

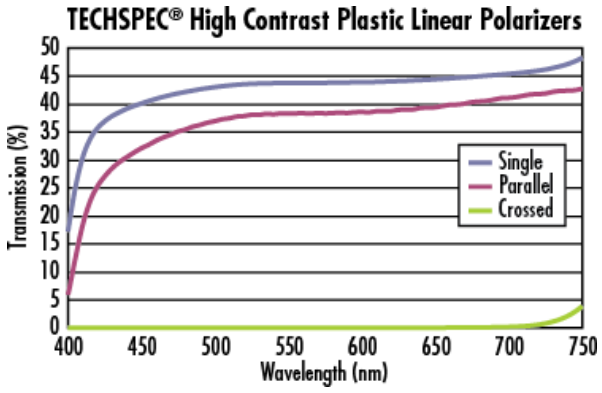
When unpolarized light enters a linear polarizer, the light that is polarized perpendicular to the polarization axis is absorbed, and light parallel to the polarization axis is transmitted. TECHSPEC® High Contrast Plastic Linear Polarizers (XP42-200) utilize a stretched PVA film to create the polarization axis. To increase durability, the film is then laminated between two plastic plates.

Note: These linear polarizers are not recommended for laser applications.

Immediate Custom Quotes Available

If you have a need for any round, square, or rectangular size of a TECHSPEC High Contrast Plastic Linear Polarizers (XP42-200) 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



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