

TECHSPEC® 600 x 900mm Linear Plastic Polarizer (XP42-300)



Stock #24-284 **3 In Stock**

⊖ 1 ⊕ MRP ₹60,030

● Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹60,030 each
Qty 6-49	₹48,024 each
Qty 50-99	₹45,057 each
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Product Downloads

General

Linear Polarizer **Type:**

Physical & Mechanical Properties

600.0 x 900.0 ±5.0 **Dimensions (mm):**

3.21 ±0.35 **Thickness (mm):**

Polarizing Film on PMMA

Construction:

Optical Properties

9000:1

Extinction Ratio:

[XP42-300 on PMMA](#)

Substrate:

Single: 42 Parallel: 36 Crossed: <0.004

Transmission (%):

400 - 700

Wavelength Range (nm):

>99.98

Polarization Efficiency (%):

Environmental & Durability Factors

-40 to +80

Operating Temperature (°C):

Regulatory Compliance

[Compliant](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Compliant](#)

Reach 235:

Japan

Country of Origin:

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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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 constrained 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

