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TECHSPEC® 600 x 450mm Linear Plastic Polarizer (XP42-200)



Stock #14-341 **5 In Stock**

- 1 + MRP ₹35,615

i Price inclusive of all taxes

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | ₹35,615 each |
| Qty 6-49 | ₹28,482 each |
| Qty 50-99 | ₹26,746 each |
| Need More? | Request Quote |

Product Downloads

General

Linear Polarizer **Type:**

Physical & Mechanical Properties

450.00 **Length (mm):**

600.0 x 450.0 ±5.0 **Dimensions (mm):**

| | |
|---|--|
| 2.22 ±0.25 | Thickness (mm): |
| Polarizing Film on PMMA | Construction: |
| 600.00 | Width (mm): |
| Optical Properties | |
| 9000:1 | Extinction Ratio: |
| XP42-200 on PMMA | Substrate: <input type="checkbox"/> |
| 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: |
| Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000 | Imported By: |

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



The polarization axis (P) is marked by a 0.2mm line on rectangular and square parts.
 $\alpha = 0 \pm 2'$