

TECHSPEC<sup>®</sup> 600 x 900mm Linear Plastic Polarizer (XP42-200)



Stock #86-201 17 In Stock

-

1

+

€595<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €595,00 each                  |
| Qty 6-49       | €476,00 each                  |
| Qty 50-99      | €446,60 each                  |
| Need More?     | <a href="#">Request Quote</a> |

!

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Linear PolarizerType:

Physical & Mechanical Properties

900.00Length (mm):

600.0 x 900.0 ±5.0Dimensions (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<br>Parallel: 36<br>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:                  |

## 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](#).

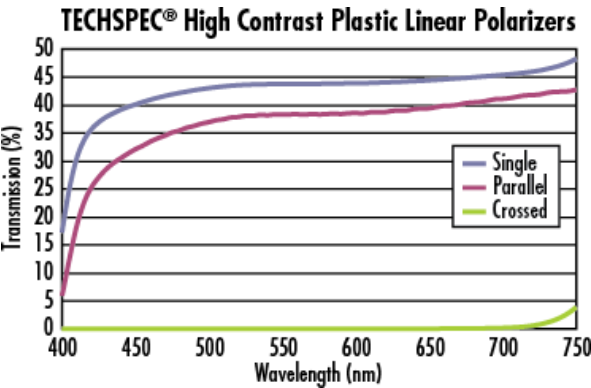
When unpolarized light enters a linear polarizer, the light that is polarized perpendicular to the polarization axis is absorbed, and light parallel to the polarization axis is transmitted. TECHSPEC® High Contrast Plastic Linear Polarizers (XP42-200) utilize a stretched PVA film to create the polarization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

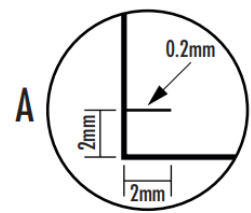
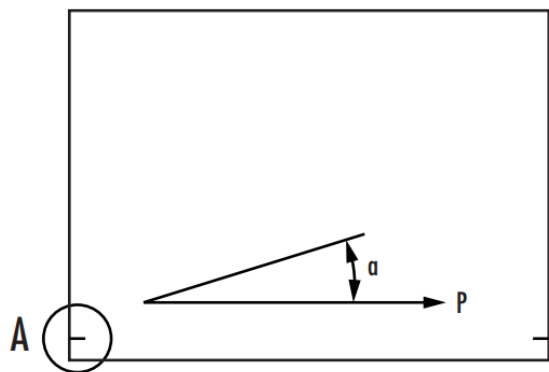
**Note:** These linear polarizers are not recommended for laser applications.

### 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.  
 $\alpha = 0 \pm 2^\circ$