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TECHSPEC® 30mm Dia. Linear Plastic Polarizer (XP42-200)



Stock #85-920 **20+ In Stock**

- 1 + €32²⁵

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| Volume Pricing | |
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| Qty 1-5 | €32,25 each |
| Qty 6-49 | €25,60 each |
| Qty 50-99 | €24,50 each |
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Linear Polarizer **Type:**

Physical & Mechanical Properties

30.00 +0.0/-0.3 **Diameter (mm):**

2.22 ±0.25 **Thickness (mm):**

| | |
|---|-------------------------------------|
| Polarizing Film on PMMA | Construction: |
| Optical Properties | |
| 9000:1 | Extinction Ratio: |
| XP42-200 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: |

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

