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TECHSPEC® 600 x 500mm Linear Polarizing Film (XP42-18)



Stock #29-486 [CONTACT US](#)

- 1 + MRP ₹29,763

Price inclusive of all taxes

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Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-10 | ₹29,763 each |
| Qty 11-25 | ₹23,699 each |
| Need More? | Request Quote |

Product Downloads

General

Linear Polarizer **Type:**

Note:
Polarization axis is parallel to marking on protective film.

Physical & Mechanical Properties

Dimensions (mm):
600.0 x 500.0 +5.0/0.0

| | |
|---|--|
| 0.19 ±0.03 | Thickness (mm): |
| Polarizing Film | Construction: |
| Optical Properties | |
| Uncoated, Protective Film on Both Sides | Coating: |
| 9000:1 (nominal at 555nm) | Extinction Ratio: |
| Polymer Film XP42-18 | Substrate: □ |
| Single: 42 ±2 Parallel: 36.4 Crossed: <0.004 (nominal at 555nm) | Transmission (%): |
| 400 - 700 | Wavelength Range (nm): |
| >99.98 (nominal at 555nm) | Polarization Efficiency (%): |
| 42 ±2 | Transmission, Single (%): |
| 36.4 | Transmission, Parallel (%): |
| <0.004 (nominal at 555nm) | Transmission, Crossed (%): |
| Environmental & Durability Factors | |
| -40 to +80 | Operating Temperature (°C): |
| 80 x 500 | Heat Resistance (°C x Hours): |
| 60 x 90% RH x 500 | Cold Resistance (°C x Hours): |
| -40 x 500 | Humidity Resistance (°C x Hours): |
| Regulatory Compliance | |
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |
| Compliant | Reach 247: |
| 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

- High Transmission of Unpolarized Light from 400 – 700nm
- Excellent Extinction Ratio of 9000:1
- Available in Custom Sizes
- [High-Temperature](#) Options Also Available

Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets, TECHSPEC® High Contrast Linear Polarizing Film (XP42) can be cut to fit any application need.

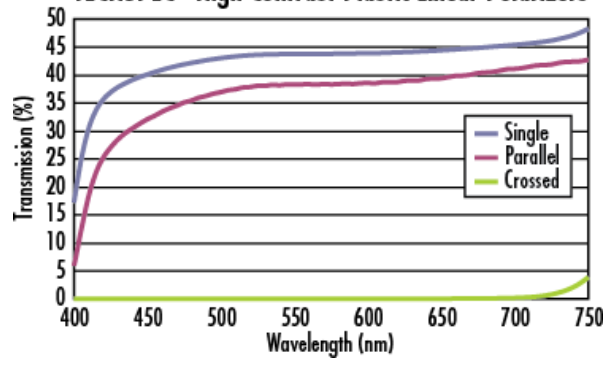
Note: Polarizer Film with adhesive available.

Immediate Custom Quotes Available

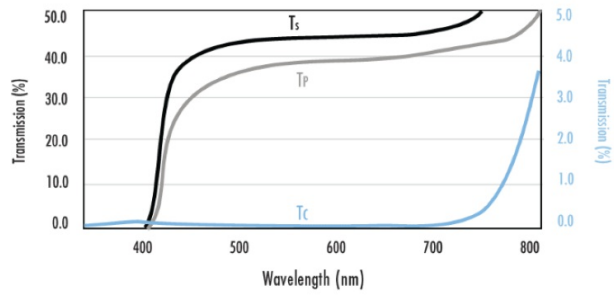
If you have a need for any round, square, or rectangular size of a TECHSPEC High Contrast Linear Polarizing Film (XP42) in dimensions between 3mm and 600mm, please visit our [Polarizing Film Tool](#). We'll provide an immediate quote, and can deliver the part to your requested size in approximately 3 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

TECHSPEC® High Contrast Plastic Linear Polarizers



XP42 – Linear Polarizer



XP44 – Linear Polarizer

