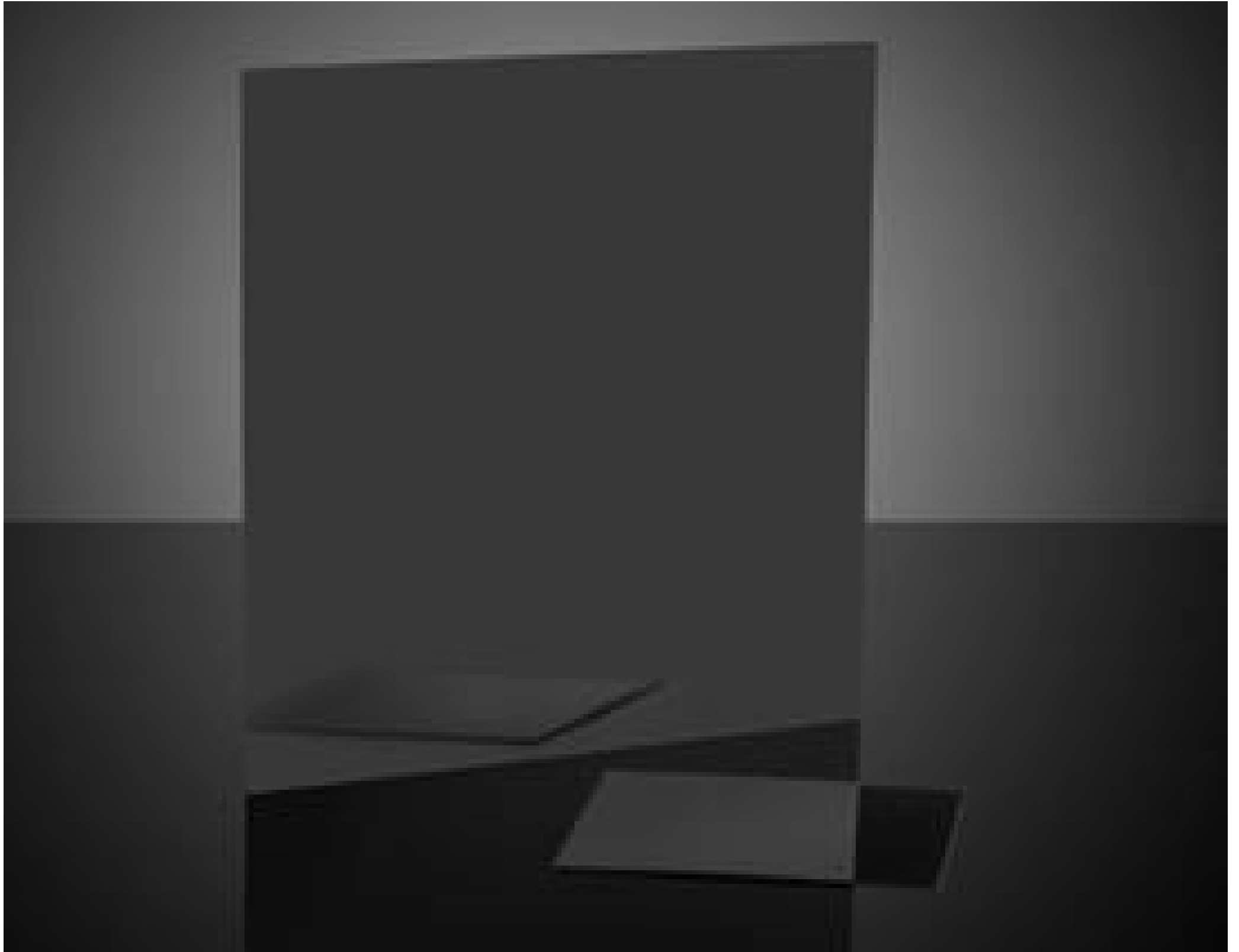


[See all 72 Products in Family](#)

TECHSPEC® 12.5mm Dia. Linear Polarizing Film (XP42-18)



Stock #19-003 CLEARANCE **20+ In Stock**

MRP ₹1,337

Price inclusive of all taxes

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1+ | ₹1,337 each |
| Need More? | Request Quote |

Product Downloads

General

Linear Polarizer **Type:**

Note:
 Polarization axis can be identified as follows:
 Circular Parts - Parallel to direction of notch on polarizer
 Square Parts - Parallel to mark on protective film
 Rectangular Parts - Parallel to first listed dimension

Physical & Mechanical Properties

12.50 +0.0/-0.3 **Diameter (mm):**

0.19 ±0.03 **Thickness (mm):**

Polarizing Film **Construction:**

Optical Properties

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 (%):**

<±5 **Transmission Variance after 1000 Hours (%):**

Environmental & Durability Factors

-40 to +80 **Operating Temperature (°C):**

80 x 500 **Heat Resistance (°C x Hours):**

-40 x 500 **Cold Resistance (°C x Hours):**

60 x 90% RH x 500 **Humidity Resistance (°C x Hours):**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Contains SVHC\(s\)](#) **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

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

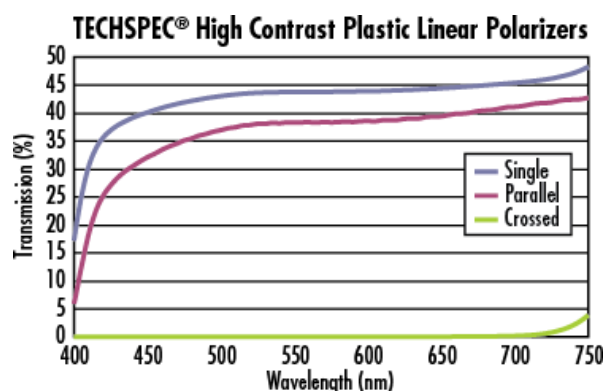
Ideal for a range of imaging applications, TECHSPEC® High Contrast Linear Polarizing Film (XP42) features an excellent extinction ratio and high transmission from 400 – 700nm. This polarizing film is offered in multiple thicknesses; thicker polarizing film has increased rigidity. Available in sheets,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

Note: Polarizer Film with adhesive available.

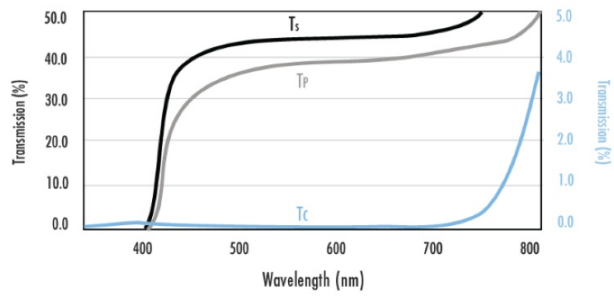
Immediate Custom Quotes Available

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



XP42 – Linear Polarizer



XP44 – Linear Polarizer

