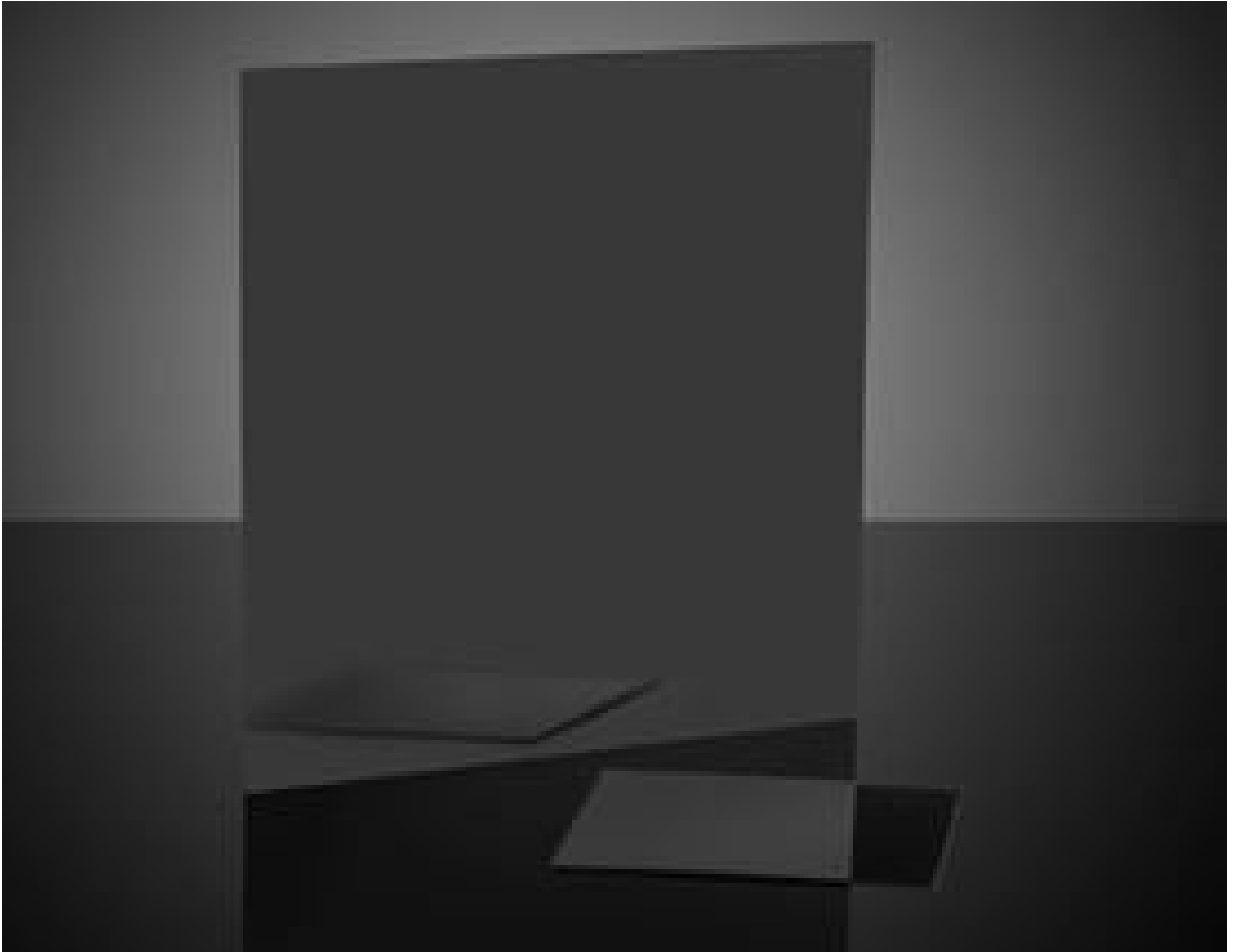


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**TECHSPEC® 20mm Dia. Linear Polarizing Film (XP42-18)**



Stock #71-351 **20+ In Stock**

- 1 + MRP ₹2,018

● Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹2,018 each
Qty 11-25	₹1,574 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Linear Polarizer **Type:**

**Note:**  
Polarization axis is parallel to notch on polarizer edge

**Physical & Mechanical Properties**

20.00 +0.0/-0.3 **Diameter (mm):**

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

## 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.

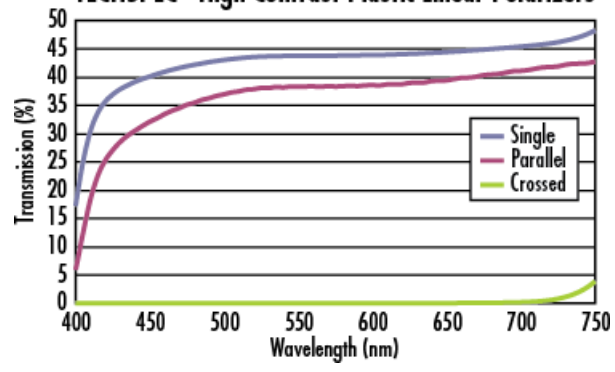
**Note:** Polarizer Film with adhesive available.

### Immediate Custom Quotes Available

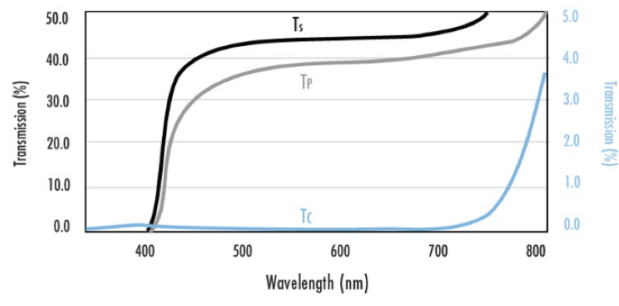
If you have a need for any round, square, or rectangular size of a TECHSPEC High Contrast Linear Polarizing Film (XP42) in dimensions between 3mm and 600mm, please visit our [Polarizing Film Tool](#). We'll provide an immediate quote, and can deliver the part to your requested size in approximately 3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

