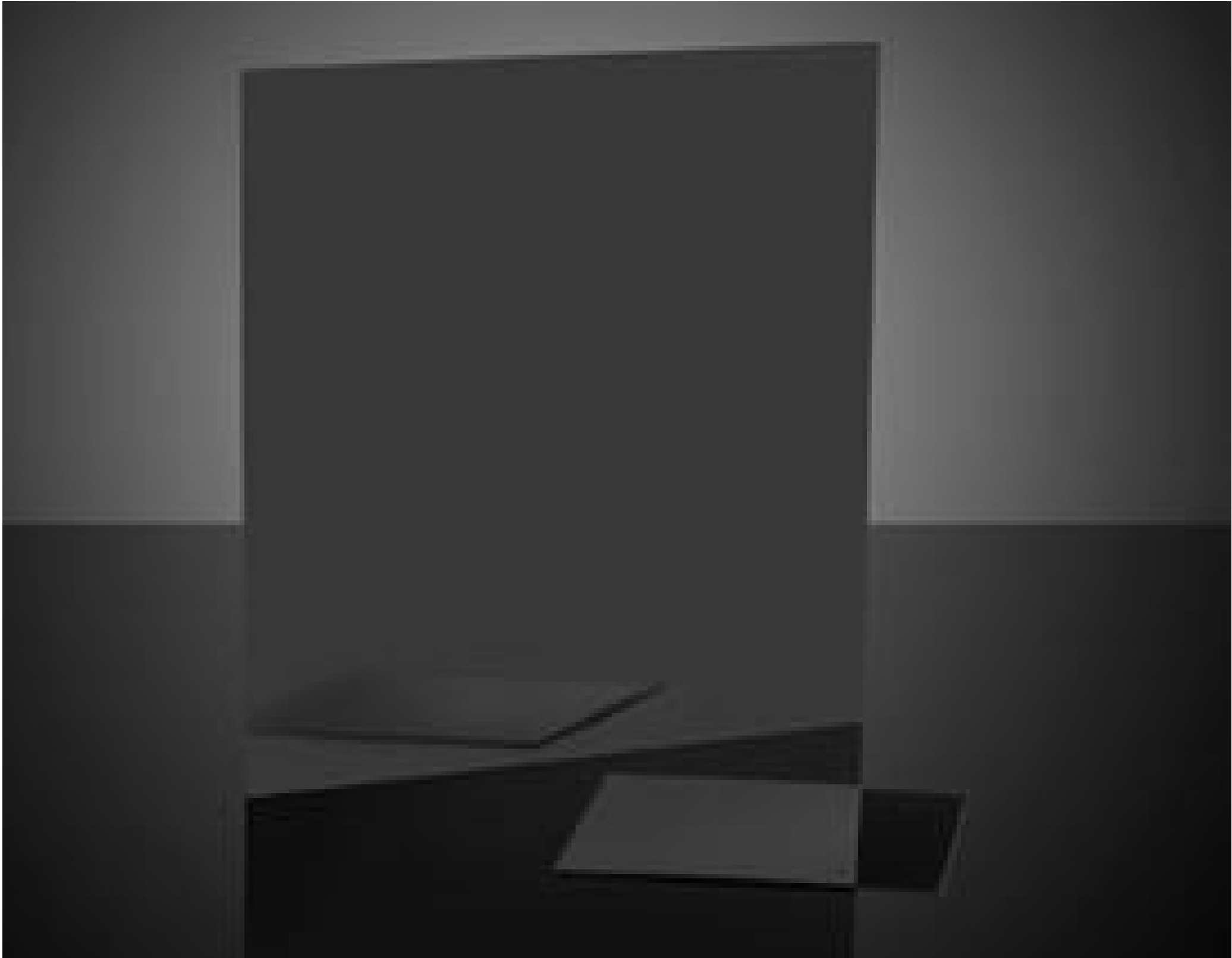


TECHSPEC[®] 25mm Dia. Linear Polarizing Film (XP42-18)



Stock **#29-489** [CONTACT US](#)

-

1

+

S\$29^{.75}

ADD TO CART

Volume Pricing	
Qty 1-10	S\$29.75 each
Qty 11-25	S\$25.06 each
Need More?	Request Quote

Product Downloads

General

Type:

Linear Polarizer

Note:

Polarization axis is parallel to notch on polarizer edge

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.3

Thickness (mm):

0.19 ±0.03

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):
-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:
Compliant		Reach 247:

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 anyround, 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

