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TECHSPEC® 50 x 50mm High-Temperature Linear Polarizing Film (XP40HT-40)



High-Temperature Linear Polarizing Film (XP40HT)

Stock #19-031 CLEARANCE **3 In Stock**

MRP ₹2,572

Price inclusive of all taxes

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Volume Pricing	
Qty 1+	₹2,572 each
Need More?	Request Quote

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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

Length (mm):

50.00	Dimensions (mm):
50.0 x 50.0	
	Thickness (mm):
0.40 ±0.05	
	Construction:
Polarizing Film	
	Width (mm):
50.00	

Optical Properties

	Coating:
Uncoated, Protective Film on Both Sides	
	Extinction Ratio:
5000:1	
	Substrate: <input type="checkbox"/>
Polymer Film XP40HT-40	
	Transmission (%):
Single: 40 ±2 Parallel: 32.2 Crossed: <0.005	
	Wavelength Range (nm):
400 - 700	
	Polarization Efficiency (%):
>99.5	
	Transmission, Single (%):
40 ±2	
	Transmission, Parallel (%):
32.2	
	Transmission, Crossed (%):
<0.005	
	Transmission Variance after 1000 Hours (%):
<±10	

Environmental & Durability Factors

	Heat Resistance (°C x Hours):
100 x 1,000	
	Cold Resistance (°C x Hours):
-40 x 1,000	
	Humidity Resistance (°C x Hours):
80 x 90% RH x 1,000	

Regulatory Compliance

	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 235:
Contains SVHC(s)	
	Country of Origin:
Japan	
	Imported By:
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	

Product Details

- High-Temperature Resistance Compared with Common Polarizing Films
- Extinction Ratio of 5000:1
- High Transmission of Unpolarized Light from 400 - 700nm
- Custom Sizes Available

TECHSPEC® High-Temperature Linear Polarizing Film (XP40HT) provides a significantly better temperature resistance of 100°C over 1000 hours compared to [common linear polarizing films](#). These polarizers feature a high extinction ratio, excellent polarization efficiency, and exceptional transmission in the visible spectrum from 400 to 700nm. A variety of standard sizes from 10mm dia. to 600 x 1000mm are available with custom sizes available on request. TECHSPEC High-Temperature Linear Polarizing Film (XP40HT) is especially well suited for applications where higher temperatures are unavoidable including photography using illumination systems or in harsh environments, 3D projection systems, and optical inspection systems.

Note: Remove protective liner from both surfaces before first use. 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-Temperature Linear Polarizing Film (XP40HT) 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.

