

XP Linear Polariser Filters

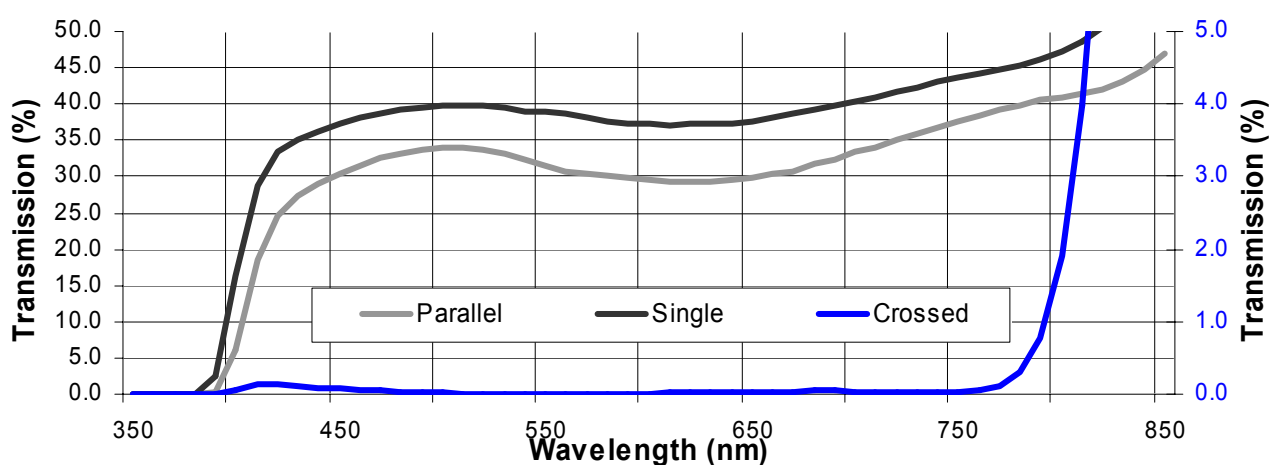
Un-polarised light is a complex mixture of random wave-fronts transverse to the line of travel. Linear polarising filters selectively absorb light vibrations in certain planes. When light passes through a linear polariser its vibrations are confined to a single linear plane.

XP38 is the ideal replacement material for the old Polaroid material HN22, HN32, HN38s and HN42.

Linearly polarised light can be used in applications such as:

- Continuously variable density light filters
- Optical instrumentation such as microscopes
- Studio lighting and photography
- 3d projection and glasses

Spectral Properties



	Unit	XP38	
Single transmission av.	%	38,0 (450-750nm)	
Cross transmission av.	%	0,02 (450-750nm)	
Polarizing efficiency av.	%	> 99,8 (450-750nm)	
Durability	-	Heat resistance 70°×240h	Humidity resistance 40°×90%RH×240h

Product format

Plastic	Dimensions (mm)	Availability
XP38-18	900 x 600 x 0.18mm	Ex-stock
XP38-030	Machined parts only upto 600 x 450mm	1 to 2 weeks
XP38-076	Machined parts only upto 600 x 450mm	1 to 2 weeks
XP38-Glass	Custom laminated parts upto 900 x 600mm	3 to 4 weeks