

Plastic polarizer

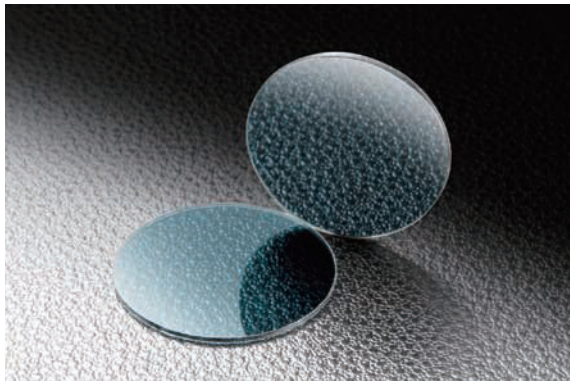
PPP

RoHS

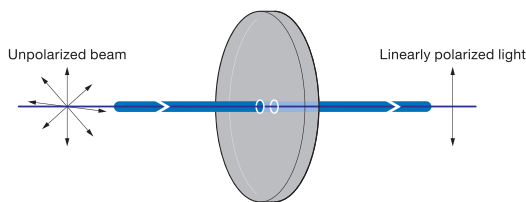
Look for a low cost polarization solution, USP is for you.

Usage in Photo-elasticity experiments and simple polarization experiment or light intensity adjustment in illumination application.

- Possible to use 2 plastic polarizer for various experiments.
- Place 2 polarizers onto the light axis by changing the polarization of each polarizer, it allows you to experience the light intensity adjustment at a wide dynamic range.
- The plastic polarizer is thin; convenient for confined experiments space.
- Since this is made of plastic, there is no risk to be broken when it falls.

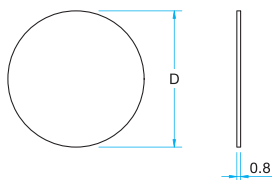


Schematic



Outline Drawing

(in mm)



●Tolerance
Diameter $D \pm 0.2$

Specifications

Material and structure	Polarizing high-polymer film laminated between plastic sheets
Wavelength Range	400 – 700nm

Guide

- ▶ For product size that is not listed on this catalog, please ask our International Sales Division.
- ▶ Because of plastic, it is easy to cut and provide the product at any form.
- ▶ For high extinction ratio products, we suggest our polarizer filet (SP) or the Glan Thompson prism (GTPP). [Reference](#) C087, C091
- ▶ We suggest to use our filter holder (FHS) for your polarizer. [Reference](#) D053

Attention

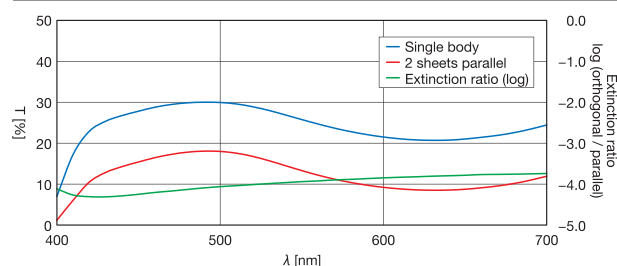
- ▶ The polarizer light axis direction is not indicated, please see our application note for find out the right direction. [Reference](#) C087
- ▶ Do not use this plastic filter for high power laser application; it may get burned.
- ▶ Do not use alcohol to sweep the polarizer.
- ▶ Do not use paper to sweep the polarizer, you may scratch the surface and may not be efficient for your experiment due to scattering and diffraction problem. Please use polarizer filter (SP) if you care about this problem. [Reference](#) C091
- ▶ The extinction ratio may be changed according to the wavelength.

400 – 700nm

Part Number	Diameter D [mm]
PPP-30C-38	$\phi 30$
PPP-50C-38	$\phi 50$

Typical Transmittance Data

T: Transmission



Compatible Optic Mounts

FHS-25 / FHS-50

Application Systems

Machine Vision

Manual Positions

Motion Control Products

Optical & Mirror Holder

FA Parts

Measurement & Control

FA Electrical Parts

Tool & Measure

Cleanroom & AntiStatic

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Mirrors

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Filters

Polarizers

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Prisms

Substrates & Windows

Holder & Vibration isolator