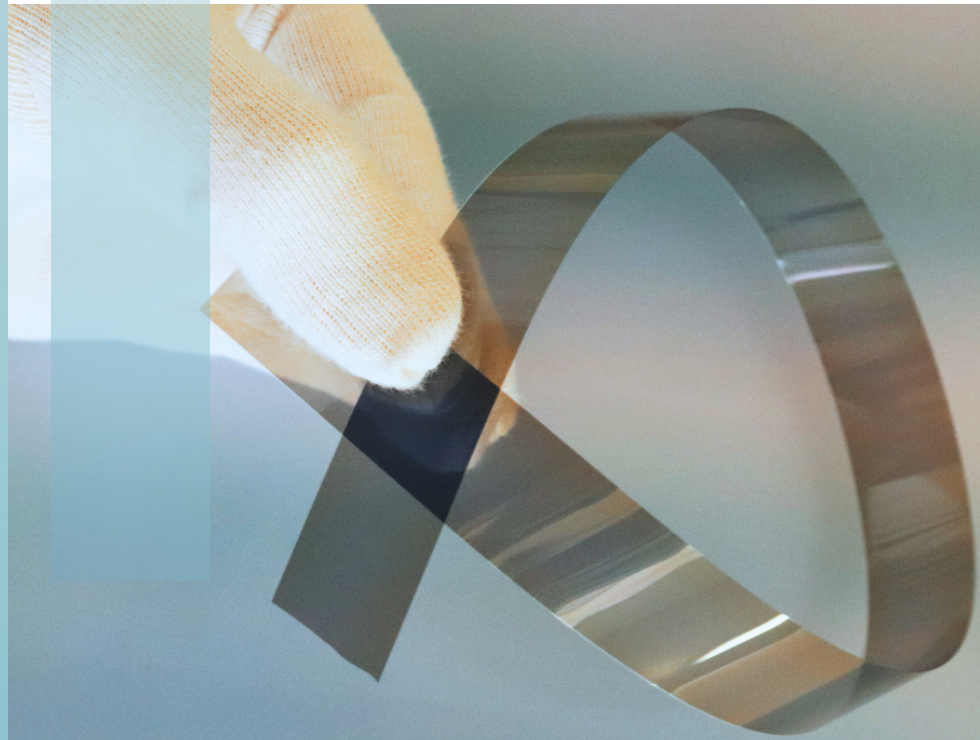


*Super flexible
and thin glass*

colorPol® polarizers



KEY BENEFITS

Clarity

Transmittance exceeding 95% (with anti-reflection coating)

Contrast

Superior contrast ratio surpassing 10,000:1 (40 dB)

Range

Tailor-made for applications using ultraviolet, visible or infrared

Durability

Count on outstanding durability, ensuring long-lasting satisfaction

SPECIAL

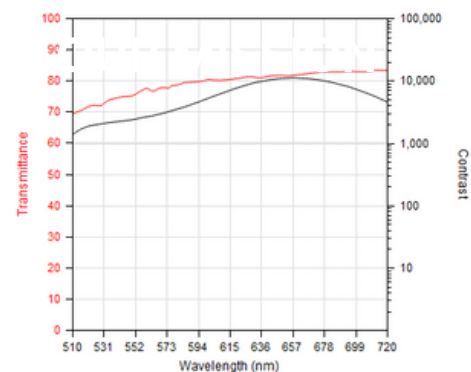
Designed specifically for applications operating in the UV-VIS and IR-ranges.

ADVANCED

This advanced polarizer uses the power of silver nanoparticles in glass to deliver outstanding contrast and unbeatable durability.

UNIQUE

What makes this new product family truly unique is its flexibility to accommodate custom shapes, sizes and even patterned structures, thanks to the use of larger manufactured substrates.



APPLICATIONS



Communications, sensors, life sciences, medical devices, imaging and integrated photonics



Specifications colorPol® Super Thin

Filter thickness	90 ± 25 µm
Acceptance angle (coating reference for 0°)	± 20°
Accuracy of polarization axis to edge	< 0.5°
Usual surface quality (MIL-O-13830A: Scratch / Dig) ⁽²⁾	40 / 20
Operating temperature	-50 to +400 °C
Transmitted wavefront distortion at 633 nm over an inspection area of Ø10 mm	< 3 λ
Recommended safe operation limit Laser damage threshold Continuous block Continuous pass Pulse peak power Equivalent pulse power density	10 W/cm ² 25 W/cm ² 12 MW/cm ² 1 µJ/cm ²
⁽¹⁾ contrast: ratio of parallel to perpendicular transmittance ⁽²⁾ other specifications available on request	

