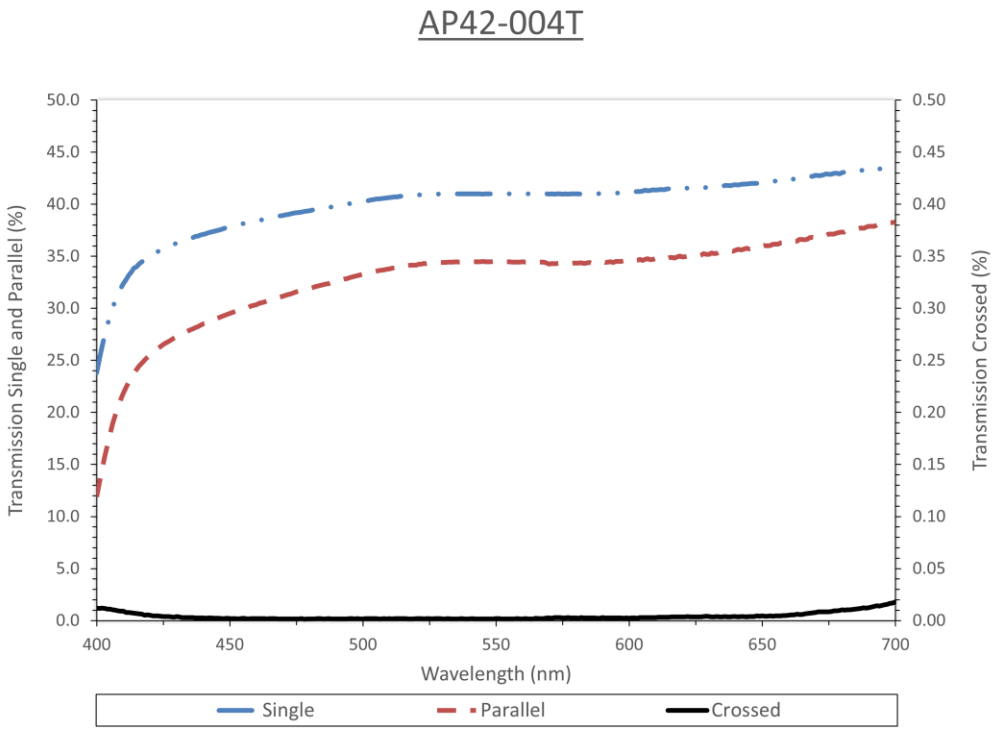
Linear Polarizers

Uses:

Linear polarizers are used in a wide variety of applications. A linear polarizer is an excellent solution in applications that require glare reduction due to reflected light. A linear polarizer can also be used to modulate the intensity of a light source. By placing two polarizers over top of each other and rotating one against the other, one can control the intensity of transmitted light.

Data:

Product Code	**AP42-004T**
Description	Neutral Grey Linear Polarizer
Thickness	0.004 ± 0.0015"
Substrate	Cellulose Triacetate (CTA)
Front Finish	Smooth, Uncoated
Back Finish	Smooth, Uncoated
Transmission Single	42 ± 2% (400-700nm)
Transmission Parallel (Double Pass)	32% (400-700nm)
Transmission Crossed	0.004 (400-700nm)
Efficiency	≥99.8%
Extinction Ratio	8000 : 1
Hue a	-1.3 ± 1.5
b	3.0 ± 1.5
Heat Resistance	80°C x 500h x Dry
Cold Resistance	-30°C x 500h
Humidity Resistance	60°C x 500h x 90%RH



Other Options:

Other Substrates: Acrylic and Glass.

Other Coatings: Acrylic Laminate: Clear hard coating, Anti-reflective
Glass Laminate: Anti-Reflective