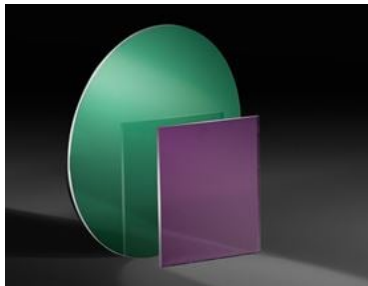


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Protective Overcoat Wire Grid Polarizers



- Reflect S-Polarized Light, Transmit P-Polarized Light
- Protective Overcoat for Easy Handling and Cleaning
- Lighter, Thinner Design than Traditional [Wire Grid Polarizers](#)
- Overcoat Temperature Stability up to 200°C

Common Specifications

General	
Note:	When the Reference Mark is orientated to the 3 or 9 o'clock position, the transmission axis runs left to right.

Physical & Mechanical Properties			
Thickness (mm):	0.70		
Thickness Tolerance (mm):	±0.07	Dimensional Tolerance (mm):	±0.2
Construction:	Wire Grid	Alignment Tolerance (°):	±1.0

Optical Properties			
Angle of Incidence (°):	0 ±20	Coating:	BBAR (400-700nm)
Extinction Ratio:	348:1 @ 450nm 885:1 @ 550nm 1229:1 @ 650nm	Substrate:	Corning Eagle XG
Surface Quality:	80-50	Transmission (%):	87
Transmission Tolerance (%):	±2.5 @ 420 - 700nm	Coating Specification:	R _{avg} <1% @ 400 - 700nm (Back of Substrate)
Wavelength Range (nm):	420 - 700		

Material Properties	
Thermal Expansion:	31.7 x 10 ⁻⁷ /°C

Environmental & Durability Factors	
Operating Temperature (°C):	-40 to +200

Technical Information

Products

Coating Specification	Alignment Tolerance (°)	Operating Temperature (°C)	Substrate	Thickness (mm)	Dimensions (mm)	Stock Number	Price	Buy
R _{avg} <1% @ 400 - 700nm (Back of Substrate)	±1.0	-40 to +200	Corning Eagle XG	0.70	-	#12-648	€343,00 Qty 11+ €292,00	3-4 days
R _{avg} <1% @ 400 - 700nm (Back of Substrate)	±1.0	-40 to +200	Corning Eagle XG	0.70	12.5 x 12.5	#12-645	€218,00 Qty 11+ €186,00	3-4 days
R _{avg} <1% @ 400 - 700nm (Back of Substrate)	±1.0	-40 to +200	Corning Eagle XG	0.70	-	#12-649	€545,00 Qty 11+ €472,00	3-4 days
R _{avg} <1% @ 400 - 700nm (Back of Substrate)	±1.0	-40 to +200	Corning Eagle XG	0.70	25.0 x 25.0	#12-646	€307,00 Qty 11+ €257,00	3-4 days
R _{avg} <1% @ 400 - 700nm (Back of Substrate)	±1.0	-40 to +200	Corning Eagle XG	0.70	-	#12-650	€1.205,00 Qty 11+ €1.063,00	3-4 days
R _{avg} <1% @ 400 - 700nm (Back of Substrate)	±1.0	-40 to +200	Corning Eagle XG	0.70	50.0 x 50.0	#12-647	€941,00 Qty 11+ €830,00	3-4 days



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