

UV performance: 400

European Standard (EN 1836:2005)

Filter Category	3
Filter Type	Polarizing
Transmittance requirements	
Luminous Tran. (380-780nm)	16.06%
Maximum Spectral Tran. (280-315nm)	0.00% Pass
Maximum Spectral Tran. (315-350nm)	0.00% Pass
Maximum Solar UVA Tran. (315-380nm)	0.00% Pass
100% protection claim (optional)	
Solar UVB Tran. (280-315nm)	0.00% Pass
Solar UVA Tran. (315-380nm)	0.00% Pass
Solar UV Tran. (280-380nm)	0.00% Pass
Solar Blue Light Tran. (380-500nm)	9.91%
Solar Infrared Tran. (780-2000nm)	N/A
Road use and driving requirements	
Minimum Spectral Tran. (500-650nm)	11.34% Pass
● Red Q Quotient	1.32 Pass
● Yellow Q Quotient	1.18 Pass
● Green Q Quotient	0.89 Pass
● Blue Q Quotient	0.89 Pass

American Standard (ANSI Z80.3:2008)

Lens Type	Type I Polarizing	
Primary Function and Shade	General purpose lens	
UVB Exposure Category	High and prolonged exposure	
UVA Exposure Category	High and prolonged exposure	
Transmittance requirements		
Luminous Tran. (380-780nm)	16.14% Pass	
Mean Tran. UVB or Erythema Zone (290-315nm)	0.00% Pass	
Mean Tran. UVA or Near Zone (315-380nm)	0.00% Pass	
Solar Blue Light Tran. (315-380nm)	9.90%	
Near Infrared Tran. (780-1400nm)	N/A	
Road use and driving requirements		
Spectral Transmittance		
Minimum Spectral Tran. (500-650nm)	11.64% Pass	
Colour limits		
Yellow Traffic Signal, X Chromaticity Coordinate	0.593	Pass: see chart
Yellow Traffic Signal, Y Chromaticity Coordinate	0.406	
Green Traffic Signal, X Chromaticity Coordinate	0.240	
Green Traffic Signal, Y Chromaticity Coordinate	0.439	
Average Daylight, D65 X Chromaticity Coordinate	0.377	
Average Daylight, D65 Y Chromaticity Coordinate	0.366	
Traffic Signal Transmittance		
● Red Traffic Signal Transmittance	23.37% Pass	
● Yellow Traffic Signal Transmittance	18.91% Pass	
● Green Traffic Signal Transmittance	14.29% Pass	

Australian Standard (AS/NZS 1067:2003)

Filter Category	3
Filter Type	Polarizing
Transmittance requirements	
Luminous Tran. (380-780nm)	16.06%
Maximum Spectral Tran. (280-315nm)	0.00% Pass
Maximum Spectral Tran. (315-350nm)	0.00% Pass
Maximum Solar UVA Tran. (315-400nm)	0.01% Pass
Minimum Spectral Tran. (450-650nm)	10.60% Pass
100% protection claim (optional)	
Solar UVB Tran. (280-315nm)	0.00% Pass
Solar UVA Tran. (315-400nm)	0.01% Pass
Solar UV Tran. (280-400nm)	0.00% Pass
Solar Blue Light Tran. (400-500nm)	9.94%
Solar Infrared Tran. (780-2000nm)	N/A
Road use and driving requirements	
● Red Q Quotient	1.32 Pass
● Yellow Q Quotient	1.18 Pass
● Green Q Quotient	0.89 Pass
● Blue Q Quotient	0.89 Pass

