

UV performance: 400

European Standard (EN 1836:2005)

Filter Category	2
Filter Type	Polarizing
Transmittance requirements	
Luminous Tran. (380-780nm)	27.23%
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)	1.34%
Solar Infrared Tran. (780-2000nm)	N/A
Road use and driving requirements	
Minimum Spectral Tran. (500-650nm)	12.13% Pass
● Red Q Quotient	1.38 Pass
● Yellow Q Quotient	1.26 Pass
● Green Q Quotient	0.84 Pass
● Blue Q Quotient	0.68 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)	27.83% 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. (380-500nm)	1.37%
Near Infrared Tran. (780-1400nm)	N/A
Road use and driving requirements	
Spectral Transmittance	
Minimum Spectral Tran. (500-650nm)	12.13% Pass
Colour limits	
Yellow Traffic Signal, X Chromaticity Coordinate	0.589
Yellow Traffic Signal, Y Chromaticity Coordinate	0.410
Green Traffic Signal, X Chromaticity Coordinate	0.309
Green Traffic Signal, Y Chromaticity Coordinate	0.609
Average Daylight, D65 X Chromaticity Coordinate	0.477
Average Daylight, D65 Y Chromaticity Coordinate	0.484
Traffic Signal Transmittance	
● Red Traffic Signal Transmittance	38.58% Pass
● Yellow Traffic Signal Transmittance	34.93% Pass
● Green Traffic Signal Transmittance	23.40% Pass

Australian Standard (AS/NZS 1067:2003)

Filter Category	2
Filter Type	Polarizing
Transmittance requirements	
Luminous Tran. (380-780nm)	27.73%
Maximum Spectral Tran. (280-315nm)	0.00% Pass
Maximum Spectral Tran. (315-350nm)	0.00% Pass
Maximum Solar UVA Tran. (315-400nm)	0.00% Pass
Minimum Spectral Tran. (450-650nm)	0.30% Fail
100% protection claim (optional)	
Solar UVB Tran. (280-315nm)	0.00% Pass
Solar UVA Tran. (315-400nm)	0.00% Pass
Solar UV Tran. (280-400nm)	0.00% Pass
Solar Blue Light Tran. (400-500nm)	1.35%
Solar Infrared Tran. (780-2000nm)	N/A
Road use and driving requirements	
● Red Q Quotient	1.38 Pass
● Yellow Q Quotient	1.26 Pass
● Green Q Quotient	0.84 Pass
● Blue Q Quotient	0.68 Fail

