

## UV performance: 400

### European Standard (EN 1836:2005)

<b>Filter Category</b>	<b>3</b>
<b>Filter Type</b>	<b>Polarizing</b>
<b>Transmittance requirements</b>	
Luminous Tran. (380-780nm)	11.39%
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
<b>100% protection claim (optional)</b>	
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)	7.42%
Solar Infrared Tran. (780-2000nm)	N/A
<b>Road use and driving requirements</b>	
Minimum Spectral Tran. (500-650nm)	10.06% Pass
● Red Q Quotient	1.03 Pass
● Yellow Q Quotient	0.96 Pass
● Green Q Quotient	1.04 Pass
● Blue Q Quotient	1.13 Pass

### American Standard (ANSI Z80.3:2008)

<b>Lens Type</b>	Type I Polarizing
<b>Primary Function and Shade</b>	General purpose lens
<b>UVB Exposure Category</b>	High and prolonged exposure
<b>UVA Exposure Category</b>	High and prolonged exposure
<b>Transmittance requirements</b>	
Luminous Tran. (380-780nm)	11.36% Pass
Mean Tran. UVB or Erythema Zone (290-315nm)	0.00% Pass
Mean Tran. UVA or Near Zone (315-380nm)	0.00% Pass
Near Infrared Tran. (780-1400nm)	N/A
<b>Road use and driving requirements</b>	
<b>Spectral Transmittance</b>	
Minimum Spectral Tran. (500-650nm)	10.06% Pass
<b>Colour limits</b>	
Yellow Traffic Signal, X Chromaticity Coordinate	0.586
Yellow Traffic Signal, Y Chromaticity Coordinate	0.413
Green Traffic Signal, X Chromaticity Coordinate	0.201
Green Traffic Signal, Y Chromaticity Coordinate	0.454
Average Daylight, D65 X Chromaticity Coordinate	0.328
Average Daylight, D65 Y Chromaticity Coordinate	0.378
<b>Traffic Signal Transmittance</b>	
● Red Traffic Signal Transmittance	13.48% Pass
● Yellow Traffic Signal Transmittance	10.92% Pass
● Green Traffic Signal Transmittance	11.83% Pass

### Australian Standard (AS/NZS 1067:2003)

<b>Filter Category</b>	<b>3</b>
<b>Filter Type</b>	<b>Polarizing</b>
<b>Transmittance requirements</b>	
Luminous Tran. (380-780nm)	11.39%
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)	7.39% Pass
<b>100% protection claim (optional)</b>	
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)	7.44%
Solar Infrared Tran. (780-2000nm)	N/A
<b>Road use and driving requirements</b>	
● Red Q Quotient	1.03 Pass
● Yellow Q Quotient	0.96 Pass
● Green Q Quotient	1.04 Pass
● Blue Q Quotient	1.13 Pass

