



# Product test and data

## Blue light transmittance

Test standard: EN 1836:2005 + A1:2007 - Personal eye-equipment - Sunglasses and sunglare filters for general use and filters for direct observation of the sun, clause 4.1.5.2.2 blue light transmittance.

Result :

Wavelength (nm)	T <sub>sb</sub> Transmittance (%)
380	0.11
385	0.11
390	0.10
395	<0.10
400	0.13
405	0.15
410	0.16
415	2.04
420	23.86
425	49.67
430	59.84
435	63.66
440	65.56
445	66.95
450	68.03
455	69.11
460	70.25
465	71.22
470	72.08
475	72.85
480	73.50
485	74.26
490	74.90
495	75.12
500	75.15



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## UV-400

Assessment was made against a level of 100% UV protection, in which the spectral transmittance was examined within a range of 280nm - 400nm to ensure that a transmittance value of 0.5% was not exceeded.

Result :

Wavelength (nm)	Transmittance (%)
280	0.16
285	<0.10
290	<0.10
295	<0.10
300	<0.10
305	<0.10
310	<0.10
315	0.16
320	0.37
325	0.25
330	0.14
335	0.13
340	0.11
345	<0.10
350	<0.10
355	<0.10
360	0.24
365	0.10
370	<0.10
375	0.13
380	0.11
385	0.11
390	0.10
395	<0.10
400	0.13

Comment : The submitted sample was considered acceptable to make a claim of "UV-400" protection, the criteria of which was mentioned above.