



OPTICAL TRANSMITTANCE PROPERTIES

TRANSMITTANCE DATA SHEET

COLOUR CODE: **S6620 Orange**

LENS MATERIAL: **Polycarbonate**

LENS TREATMENT:

LENS SIZE: **Snow Goggle 188-95-5.2/0D-1.2 Cyl**

EUROPEAN STANDARD			
EN 1836:2005 + A1:2007 (not valid anymore, replaced by ISO 12312-1)			
	CENTER	TOP	BOTTOM
Luminous Transmittance - D65 (380-780nm)	49,49%		
Filter Category	1		
Description	<b>Light tint</b>		
UV Transmittance (280-380nm)	0,0%		
UVA Transmittance (315-380nm)	0,0%		
UVB Transmittance (280-315nm)	0,0%		
Max Spectral Trans (280-315nm)	PASS		
Max Spectral Trans (315-350nm)	PASS		
Max Solar UVA Trans (315-380nm)	PASS		
Spectral Transmittance (500-650nm)	PASS		
Solar Blue Light Transmittance (380-500nm)	39,43%		
<b>Recognition of signal lights and colours</b>			
Q Red	PASS		
Q Yellow	PASS		
Q Green	PASS		
Q Blue	PASS		

AUSTRALIAN / NEW ZEALAND STANDARD			
AS/NZS 1067.1:2016			
	CENTER	TOP	BOTTOM
Luminous Transmittance - D65 (380-780nm)	49,49%		
Filter Category	1		
Description	<b>Fashion spectacles</b>		
UV Transmittance (280-400nm)	1,7%		
UVA Transmittance (315-400nm)	2,6%		
UVB Transmittance (280-315nm)	0,0%		
Max Spectral Trans (280-315nm)	PASS		
Max Solar UVA Trans (315-400nm)	PASS		
Spectral Transmittance (475-650nm)	PASS		
Solar Blue Light Transmittance (380-500nm)	39,43%		
<b>Recognition of signal lights and colours</b>			
Q Red	PASS		
Q Yellow	PASS		
Q Green	PASS		
Q Blue	<b>FAIL</b>		

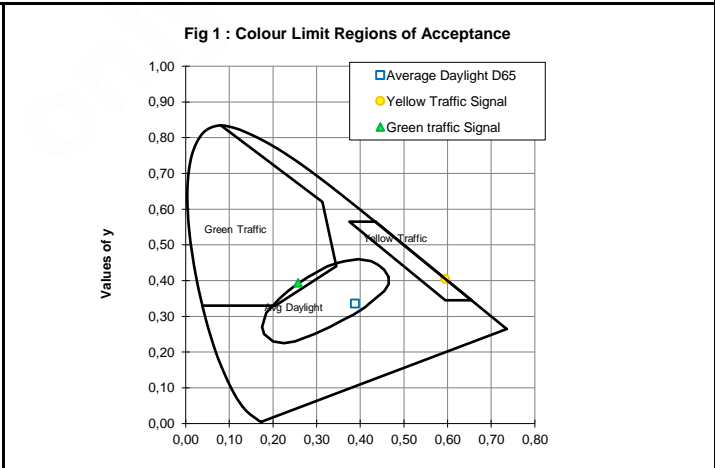
WARNING:

WARNING: Must not be used when driving

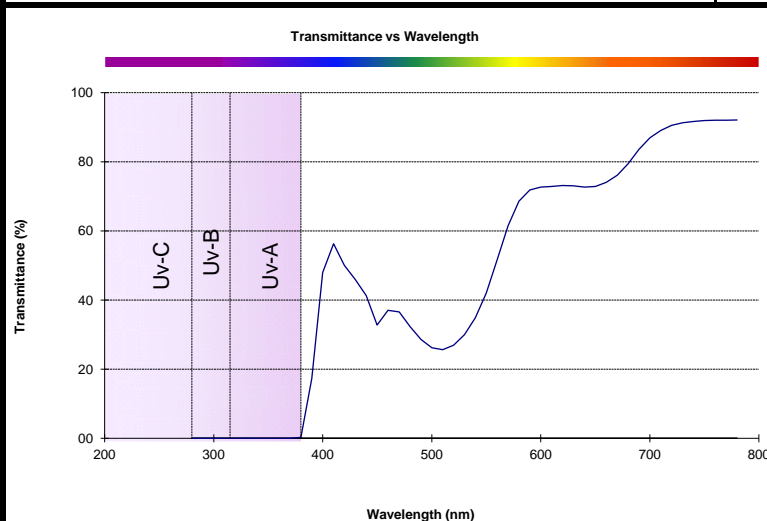


AMERICAN NATIONAL STANDARD - ANSI Z80.3-2018

	CENTER	TOP	BOTTOM
Illuminant C Transmittance (380-780nm)	49,98%		
Primary function:	<b>Cosmetic Lens or Shield, light</b>		
Use:	<b>High and prolonged exposure</b>		
Average UVB (280-315nm)	PASS		
Average UVA (315-380nm)	PASS		
Spectral Transmittance (475-650nm)	PASS		
Solar Blue Light Transmittance (380-500nm)	39,43%		
<b>Traffic Signals Transmittance</b>			
Red signal transmittance	PASS		
Yellow signal transmittance	PASS		
Green signal transmittance	PASS		
<b>Color Distortion</b>			
D65	PASS		
Yellow	PASS		
Green	PASS		



WARNING:



% TRANSMISSION VALUES ( CENTER )					
280	0,0	290	0,0	300	0,0
310	0,0	320	0,0	330	0,0
340	0,0	350	0,0	360	0,0
370	0,0	380	0,2	390	17,3
400	47,9	410	56,3	420	50,0
430	46,0	440	41,3	450	32,8
460	37,0	470	36,6	480	32,3
490	28,6	500	26,2	510	25,6
520	26,9	530	30,0	540	34,9
550	42,1	560	51,7	570	61,5
580	68,6	590	71,8	600	72,7
610	72,9	620	73,1	630	73,0
640	72,7	650	72,8	660	74,1
670	76,1	680	79,4	690	83,6
700	86,9	710	89,1	720	90,5
730	91,3	740	91,7	750	91,9
760	92,0	770	92,0	780	92,1

Notes: Reference point --> Geometrical centre




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## TRANSMITTANCE DATA SHEET

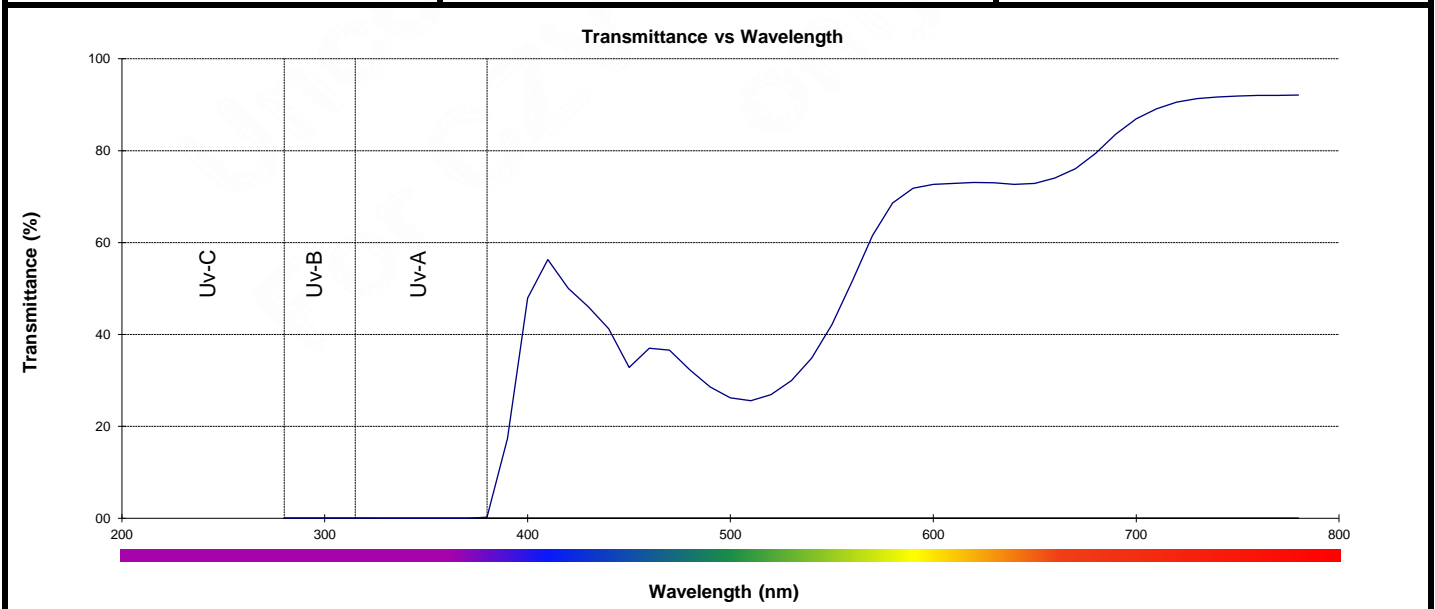
## EN ISO 12312-1:2013/A1:2015

COLOUR CODE: **S6620 Orange**LENS MATERIAL: **Polycarbonate**LENS SIZE: **Snow Goggle 188-95-5.2/0D-1.2 Cyl**

LENS TREATMENT:

	CENTER	TOP	BOTTOM	INFORMATION AND LABELLING	
Luminous Transmittance - D65 (380-780nm)	49,49%			Filter Category	1
UV Transmittance (280-380nm)	0,0%			Description	Light tint sunglasses
UVB Transmittance (280-315nm)	PASS			Usage	Limited reduction of sunglare
UVA Transmittance (315-380nm)	PASS			Symbol	
Spectral Transmittance (475-650nm)	PASS			<b>Not for direct observation of the sun</b> <b>Not for protection against artificial light sources e.g. solaria</b> <b>Not for use as eye protection against mechanical impact hazards</b>	
Solar Blue Light Transmittance (380-500nm)	39,43%			<b>WARNING: Not suitable for driving in twilight or at night</b>	
<b>Recognition of signal lights and colours</b>					
Q Red	PASS				
Q Yellow	PASS				
Q Green	PASS				
Q Blue	PASS				

Illuminant D50				Illuminant D65				Illuminant F11			
x	0,42	L*	76,59	x	0,39	L*	75,75	x	0,45	L*	76,89
y	0,36	a*	27,72	y	0,33	a*	27,01	y	0,37	a*	26,14
z	0,22	b*	15,95	z	0,28	b*	13,89	z	0,18	b*	13,99



% TRANSMISSION VALUES ( CENTER )													
280	0,0	355	0,0	430	46,0	505	25,7	580	68,6	655	73,3	730	91,3
285	0,0	360	0,0	435	45,1	510	25,6	585	70,7	660	74,1	735	91,5
290	0,0	365	0,0	440	41,3	515	26,0	590	71,8	665	75,0	740	91,7
295	0,0	370	0,0	445	36,1	520	26,9	595	72,4	670	76,1	745	91,8
300	0,0	375	0,0	450	32,8	525	28,3	600	72,7	675	77,5	750	91,9
305	0,0	380	0,2	455	34,0	530	30,0	605	72,7	680	79,4	755	92,0
310	0,0	385	3,9	460	37,0	535	32,2	610	72,9	685	81,6	760	92,0
315	0,0	390	17,3	465	37,8	540	34,9	615	73,0	690	83,6	765	92,0
320	0,0	395	35,3	470	36,6	545	38,1	620	73,1	695	85,4	770	92,0
325	0,0	400	47,9	475	34,5	550	42,1	625	73,1	700	86,9	775	92,1
330	0,0	405	54,3	480	32,3	555	46,6	630	73,0	705	88,1	780	92,1
335	0,0	410	56,3	485	30,3	560	51,7	635	72,8	710	89,1		
340	0,0	415	54,3	490	28,6	565	56,7	640	72,7	715	89,9		
345	0,0	420	50,0	495	27,2	570	61,5	645	72,6	720	90,5		
350	0,0	425	46,5	500	26,2	575	65,5	650	72,8	725	91,0		

Notes: Reference point --&gt; Geometrical centre