



OPTICAL TRANSMITTANCE PROPERTIES

TRANSMITTANCE DATA SHEET

COLOUR CODE: **M7600 Grey**

LENS MATERIAL: **Polycarbonate**

LENS TREATMENT:

LENS SIZE: **Snow Goggle 188-115-5.2/0D-1.25 Cyl**

EUROPEAN STANDARD EN 1836:2005 + A1:2007 (not valid anymore, replaced by ISO 12312-1)				AUSTRALIAN / NEW ZEALAND STANDARD AS/NZS 1067.1:2016			
	CENTER	TOP	BOTTOM		CENTER	TOP	BOTTOM
Luminous Transmittance - D65 (380-780nm)	21,66%			Luminous Transmittance - D65 (380-780nm)	21,66%		
Filter Category	2			Filter Category	2		
Description	Medium tint			Description	Sunglasses		
UV Transmittance (280-380nm)	0,0%			UV Transmittance (280-400nm)	0,0%		
UVA Transmittance (315-380nm)	0,0%			UVA Transmittance (315-400nm)	0,0%		
UVB Transmittance (280-315nm)	0,0%			UVB Transmittance (280-315nm)	0,0%		
Max Spectral Trans (280-315nm)	PASS			Max Spectral Trans (280-315nm)	PASS		
Max Spectral Trans (315-350nm)	PASS						
Max Solar UVA Trans (315-380nm)	PASS			Max Solar UVA Trans (315-400nm)	PASS		
Spectral Transmittance (500-650nm)	PASS			Spectral Transmittance (475-650nm)	PASS		
Solar Blue Light Transmittance (380-500nm)	20,58%			Solar Blue Light Transmittance (380-500nm)	20,58%		
Recognition of signal lights and colours				Recognition of signal lights and colours			
Q Red	PASS			Q Red	PASS		
Q Yellow	PASS			Q Yellow	PASS		
Q Green	PASS			Q Green	PASS		
Q Blue	PASS			Q Blue	PASS		

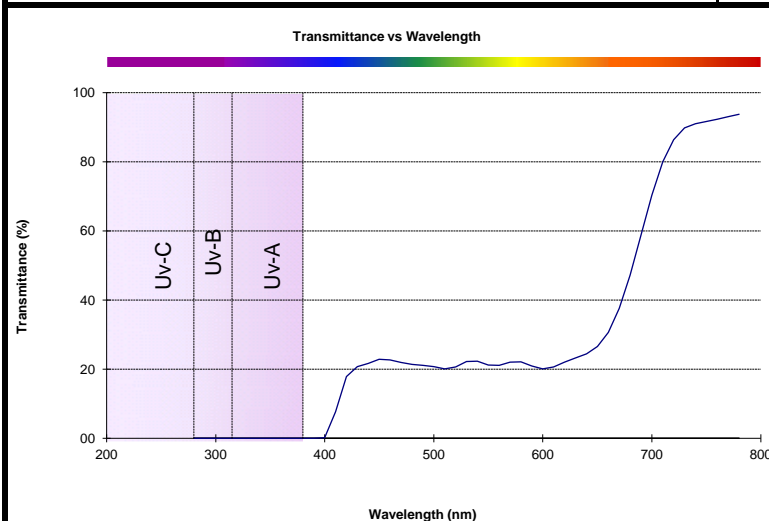
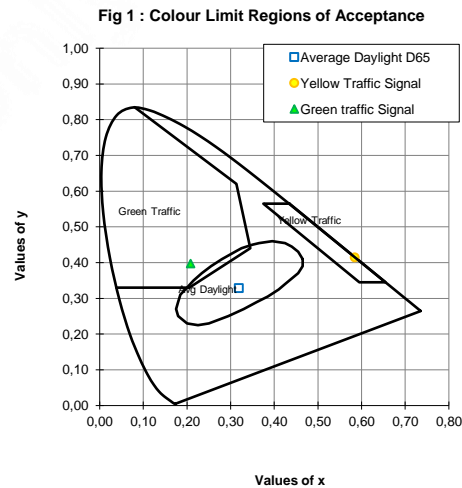
WARNING:

WARNING:

AMERICAN NATIONAL STANDARD - ANSI Z80.3-2018

	CENTER	TOP	BOTTOM
Illuminant C Transmittance (380-780nm)	21,68%		
Primary function:	General Purpose Lens or Shield, medium to dark		
Use:	High and prolonged exposure		
Average UVB (280-315nm)	PASS		
Average UVA (315-380nm)	PASS		
Spectral Transmittance (475-650nm)	PASS		
Solar Blue Light Transmittance (380-500nm)	20,58%		
Traffic Signals Transmittance			
Red signal transmittance	PASS		
Yellow signal transmittance	PASS		
Green signal transmittance	PASS		
Color Distortion			
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	0,0	390	0,0
400	0,2	410	7,7	420	17,8
430	20,7	440	21,7	450	22,9
460	22,7	470	21,9	480	21,3
490	21,1	500	20,7	510	20,1
520	20,7	530	22,2	540	22,3
550	21,2	560	21,1	570	22,1
580	22,1	590	20,9	600	20,1
610	20,7	620	22,0	630	23,2
640	24,4	650	26,5	660	30,7
670	37,5	680	47,2	690	58,8
700	70,4	710	80,0	720	86,4
730	89,8	740	91,1	750	91,7
760	92,3	770	93,1	780	93,7

Notes: Reference point --> Geometrical centre



OPTICAL TRANSMITTANCE PROPERTIES

TRANSMITTANCE DATA SHEET

EN ISO 12312-1:2013/A1:2015

COLOUR CODE:

M7600 Grey

LENS MATERIAL:

Polycarbonate


LENS SIZE:

Snow Goggle 188-115-5.2/0D-1.25 Cyl

LENS TREATMENT:

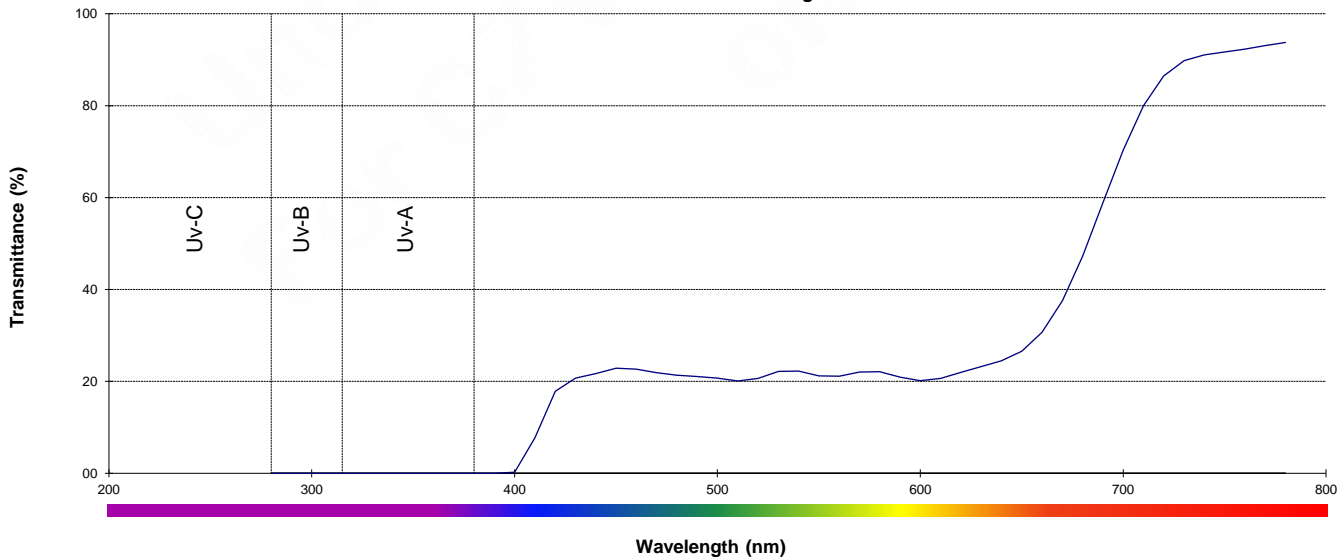
	CENTER	TOP	BOTTOM
Luminous Transmittance - D65 (380-780nm)	21,66%		
UV Transmittance (280-380nm)	0,0%		
UVB Transmittance (280-315nm)	PASS		
UVA Transmittance (315-380nm)	PASS		
Spectral Transmittance (475-650nm)	PASS		
Solar Blue Light Transmittance (380-500nm)	20,58%		
Recognition of signal lights and colours			
Q Red	PASS		
Q Yellow	PASS		
Q Green	PASS		
Q Blue	PASS		

INFORMATION AND LABELLING

Filter Category	2
Description	General purpose sunglasses
Usage	Good protection against sunglare
Symbol	
Not for direct observation of the sun	
Not for protection against artificial light sources e.g. solaria	
Not for use as eye protection against mechanical impact hazards	
WARNING: Not suitable for driving in twilight or at night	

Illuminant D50				Illuminant D65				Illuminant F11			
x	0,35	L*	53,73	x	0,32	L*	53,66	x	0,38	L*	53,55
y	0,36	a*	2,62	y	0,33	a*	2,09	y	0,38	a*	-0,30
z	0,29	b*	0,53	z	0,35	b*	0,59	z	0,24	b*	0,19

Transmittance vs Wavelength



% TRANSMISSION VALUES (CENTER)

280	0,0	355	0,0	430	20,7	505	20,4	580	22,1	655	28,3	730	89,8
285	0,0	360	0,0	435	21,2	510	20,1	585	21,6	660	30,7	735	90,6
290	0,0	365	0,0	440	21,7	515	20,2	590	20,9	665	33,7	740	91,1
295	0,0	370	0,0	445	22,4	520	20,7	595	20,4	670	37,5	745	91,4
300	0,0	375	0,0	450	22,9	525	21,4	600	20,1	675	42,1	750	91,7
305	0,0	380	0,0	455	23,0	530	22,2	605	20,2	680	47,2	755	91,9
310	0,0	385	0,0	460	22,7	535	22,5	610	20,7	685	52,9	760	92,3
315	0,0	390	0,0	465	22,3	540	22,3	615	21,3	690	58,8	765	92,7
320	0,0	395	0,0	470	21,9	545	21,7	620	22,0	695	64,7	770	93,1
325	0,0	400	0,2	475	21,6	550	21,2	625	22,7	700	70,4	775	93,4
330	0,0	405	2,2	480	21,3	555	20,9	630	23,2	705	75,5	780	93,7
335	0,0	410	7,7	485	21,2	560	21,1	635	23,8	710	80,0		
340	0,0	415	13,8	490	21,1	565	21,6	640	24,4	715	83,6		
345	0,0	420	17,8	495	21,0	570	22,1	645	25,3	720	86,4		
350	0,0	425	19,8	500	20,7	575	22,3	650	26,5	725	88,4		

Notes: Reference point --> Geometrical centre