



OPTICAL TRANSMITTANCE PROPERTIES

TRANSMITTANCE DATA SHEET

COLOUR CODE: **M7600 Grey**

LENS MATERIAL: **Polycarbonate**

LENS TREATMENT:

LENS SIZE: **Snow Goggle 180-110-6/4D-1.5 Tor**

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)	15,97%			Luminous Transmittance - D65 (380-780nm)	15,97%		
Filter Category	3			Filter Category	3		
Description	Dark 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)	15,08%			Solar Blue Light Transmittance (380-500nm)	15,08%		
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		

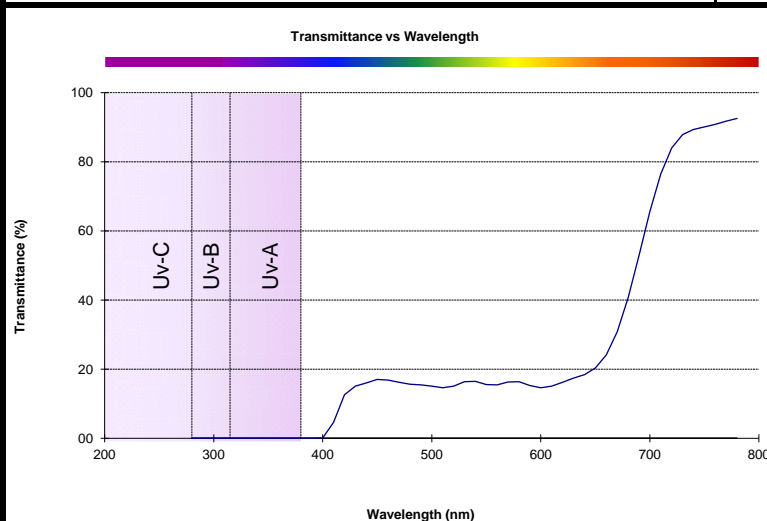
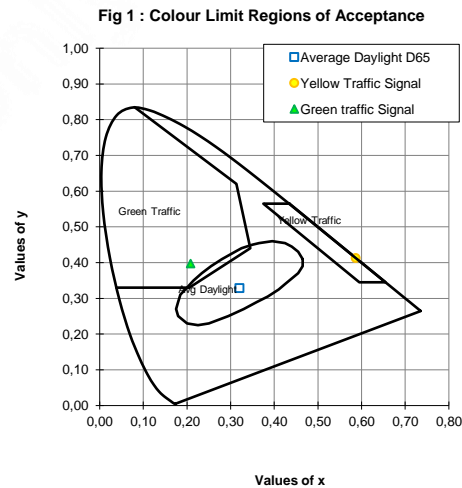
WARNING:

WARNING:

AMERICAN NATIONAL STANDARD - ANSI Z80.3-2018

	CENTER	TOP	BOTTOM
Illuminant C Transmittance (380-780nm)	15,99%		
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)	15,08%		
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	0,1	410	4,6	420	12,6
430	15,1	440	16,0	450	17,0
460	16,9	470	16,2	480	15,7
490	15,4	500	15,1	510	14,6
520	15,1	530	16,4	540	16,5
550	15,5	560	15,5	570	16,3
580	16,4	590	15,3	600	14,6
610	15,1	620	16,2	630	17,4
640	18,4	650	20,4	660	24,2
670	30,9	680	40,7	690	52,9
700	65,6	710	76,5	720	83,9
730	87,8	740	89,4	750	90,1
760	90,8	770	91,7	780	92,5

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 180-110-6/4D-1.5 Tor

LENS TREATMENT:

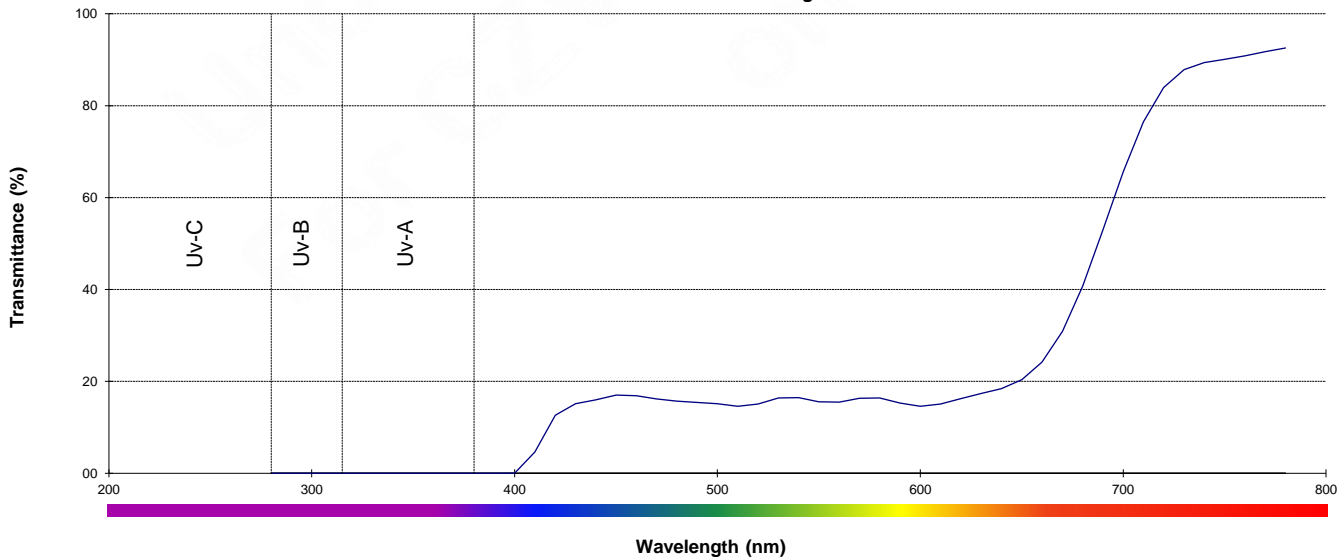
	CENTER	TOP	BOTTOM
Luminous Transmittance - D65 (380-780nm)	15,97%		
UV Transmittance (280-380nm)	0,0%		
UVB Transmittance (280-315nm)	PASS		
UVA Transmittance (315-380nm)	PASS		
Spectral Transmittance (475-650nm)	PASS		
Solar Blue Light Transmittance (380-500nm)	15,08%		
Recognition of signal lights and colours			
Q Red	PASS		
Q Yellow	PASS		
Q Green	PASS		
Q Blue	PASS		

INFORMATION AND LABELLING

Filter Category	3
Description	General purpose sunglasses
Usage	High 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*	47,01	x	0,32	L*	46,93	x	0,38	L*	46,79
y	0,36	a*	3,05	y	0,33	a*	2,46	y	0,38	a*	-0,28
z	0,29	b*	0,55	z	0,35	b*	0,59	z	0,24	b*	0,15

Transmittance vs Wavelength



% TRANSMISSION VALUES (CENTER)

280	0,0	355	0,0	430	15,1	505	14,8	580	16,4	655	22,0	730	87,8
285	0,0	360	0,0	435	15,5	510	14,6	585	15,9	660	24,2	735	88,8
290	0,0	365	0,0	440	16,0	515	14,6	590	15,3	665	27,1	740	89,4
295	0,0	370	0,0	445	16,6	520	15,1	595	14,8	670	30,9	745	89,7
300	0,0	375	0,0	450	17,0	525	15,8	600	14,6	675	35,4	750	90,1
305	0,0	380	0,0	455	17,1	530	16,4	605	14,7	680	40,7	755	90,4
310	0,0	385	0,0	460	16,9	535	16,7	610	15,1	685	46,6	760	90,8
315	0,0	390	0,0	465	16,5	540	16,5	615	15,6	690	52,9	765	91,2
320	0,0	395	0,0	470	16,2	545	16,0	620	16,2	695	59,3	770	91,7
325	0,0	400	0,1	475	15,9	550	15,5	625	16,8	700	65,6	775	92,2
330	0,0	405	1,0	480	15,7	555	15,3	630	17,4	705	71,4	780	92,5
335	0,0	410	4,6	485	15,5	560	15,5	635	17,9	710	76,5		
340	0,0	415	9,3	490	15,4	565	15,9	640	18,4	715	80,7		
345	0,0	420	12,6	495	15,3	570	16,3	645	19,2	720	83,9		
350	0,0	425	14,3	500	15,1	575	16,5	650	20,4	725	86,3		

Notes: Reference point --> Geometrical centre