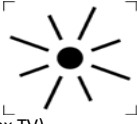


OPTICAL GLASS LENS		Standard glass lenses		1282	CUSTOMER	BARBERINI SPA
Grey Vint.+ Ace H.D. - Blu 30%/AR 99 cc					TECHNICAL DATA SHEET N.	NO3410
Base:	6	Coating:	Blu 30%/AR 99 cc		GLASS CODE:	170203ZFFN
Thickness:	1.7 mm	Polarization Ratio:	0,00%	(min 8:1)	DATE:	28/05/2016
Hardening:	Chemically	Degree of Polarization:	0,00%		Photochromic Ratio:	0,00%
Optical Centre:	Centre	Reflection factor:	PASS 1,47%	(max 2.5%)	Photochromic Interval:	0,00

This sunglare filter is conform to the following International Norm:

European Norm: ISO 12312-1 2013

	Filter Category:	2	Medium tint	
				
TV	(mean 380 ÷ 780 nm)	19,14%		
TSB	(mean 380 ÷ 500 nm)	22,63%		
TSIR	(mean 780 ÷ 2000 nm)	14,43%	(max TV)	IR PROTECTION
TSUV	(mean 280 ÷ 380 nm)	0,00%		
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	9,57% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	0,95% PASS
TVIS	(peak min 475 ÷ 650 nm)	6,82%	(min 0,2 Tv)	3,82% PASS
	Qgreen	1,05	(min. = 0,60)	PASS
	Qyellow	0,91	(min. = 0,60)	PASS
	Qred	0,93	(min. = 0,80)	PASS
	Qblue	1,18	(min. = 0,60)	PASS

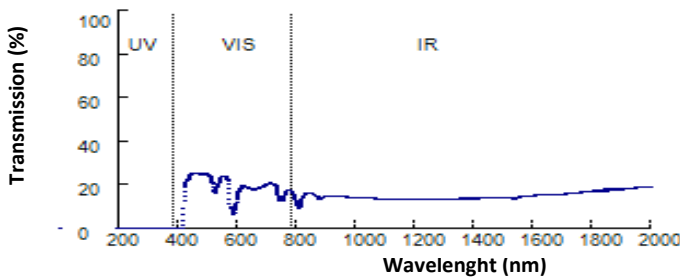
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose
TV	(mean 380 ÷ 780 nm)	19,12%	(8<=Tv<40)	PASS Medium to dark
TSB	(mean 380 ÷ 500 nm)	22,63%		
TSUVB	(mean 280 ÷ 315 nm)			Color limits:
	normal use	0,00%	(<=1/8Tv) 2,39%	PASS Chromaticity (D65)
	high and prolonged exposure	0,00%	(max 1%) 0,19%	PASS Yellow traffic signals x=0,5720 y=0,4264 PASS
TSUVA	(mean 315 ÷ 380 nm)			PASS Green traffic signals x=0,1881 y=0,3746 PASS
	normal use	0,00%	(max Tv) 19,12%	PASS Traffic signal transmittance:
	high and prolonged exposure	0,00%	(max 0.5 TV) 9,56%	PASS Red signal 18,93% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	14,27%	No requirement	PASS Yellow signal 17,07% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	6,83%	(min 0,2 TV) 3,82%	PASS Green signal 20,48% (>= 6%) PASS

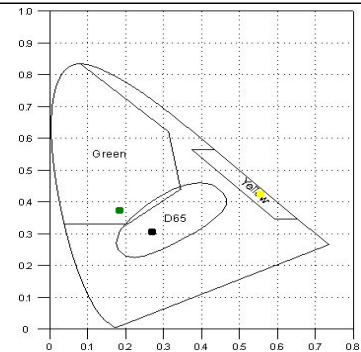
Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	19,14%			Filter Category: 2
TSB	(mean 380 ÷ 500 nm)	22,63%			Medium sunglare reduction
TSIR	(mean 780 ÷ 2000 nm)	14,43%			Not Suitable for driving at night
TSUV	(mean 280 ÷ 400 nm)	0,00%			
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(max Tv) 19,14%	PASS	Qgreen 1,07 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv) 0,95%	PASS	Qyellow 0,88 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv) 9,57%	PASS	Qred 0,93 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	9,68%	(min 0,2 TV) 3,82%	PASS	Qblue 1,13 (min. = 0,70) PASS



D65 : **x=0,2779**
y=0,3070

C : **x=0,2751**
y=0,2932



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	25,22	590	9,82	690	19,96	800	11,28
210	0,00	310	0,00	400	0,00	500	24,71	600	16,51	700	20,79	850	16,20
220	0,00	320	0,00	410	0,01	510	22,31	610	18,92	710	20,92	900	15,05
230	0,00	330	0,00	420	18,91	520	16,63	620	19,73	720	20,61	950	14,89
240	0,00	340	0,00	430	22,67	530	19,25	630	19,17	730	18,71	1000	14,38
250	0,00	350	0,00	440	24,85	540	23,40	640	18,70	740	12,80	1050	14,02
260	0,00	360	0,00	450	25,27	550	24,24	650	17,95	750	13,11	1100	13,72
270	0,00	370	0,00	460	25,26	560	23,80	660	18,14	760	16,60	1150	13,52
280	0,00	380	0,00	470	25,23	570	13,82	670	18,62	770	17,94	1200	13,36
290	0,00			480	25,25	580	9,69	680	19,01	780	17,41		

Data subject to change without notice

De Luca Alfonso
Responsible Alfonso De Luca