


OPTICAL GLASS LENS		Polarized glass lenses		31	CUSTOMER	BARBERINI SPA
PolaGreen/Gr.35 C - AR 99 cc					TECHNICAL DATA SHEET N.	NO2621
Base:	6	Coating:	AR 99 cc		GLASS CODE:	FV01c5c0
Thickness:	1.8 mm	Polarization Ratio:	> 25	(min 8:1)	DATE:	26/10/2015
Hardening:	Chemically	Degree of Polarization:	0,99		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)	35,10%		
TSB	(mean 380 ÷ 500 nm)	26,27%		
TSIR	(mean 780 ÷ 2000 nm)	81,60%	(max TV)	NO IR PROTECTION
TSUV	(mean 280 ÷ 380 nm)	0,00%		
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	17,55% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	1,75% PASS
TVIS	(peak min 475 ÷ 650 nm)	29,77%	(min 0,2 Tv)	7,02% PASS
	Qgreen	1,03	(min. = 0,60)	PASS
	Qyellow	0,97	(min. = 0,60)	PASS
	Qred	0,89	(min. = 0,80)	PASS
	Qblue	0,95	(min. = 0,60)	PASS

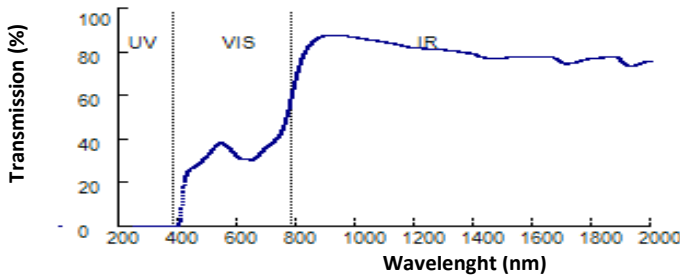
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

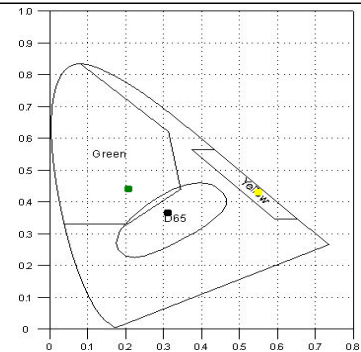
				Primary function and shade general purpose
TV	(mean 380 ÷ 780 nm)	35,03%	(8<=Tv<40)	PASS Medium to dark
TSB	(mean 380 ÷ 500 nm)	26,27%		
TSUVB	(mean 280 ÷ 315 nm)			Color limits:
	normal use	0,00%	(<=1/8Tv)	4,37% PASS Chromaticity (D65) PASS
	high and prolonged exposure	0,00%	(max 1%)	0,35% PASS Yellow traffic signals x=0,5665 y=0,4320 PASS
TSUVA	(mean 315 ÷ 380 nm)			Green traffic signals x=0,2132 y=0,4422 PASS
	normal use	0,00%	(max Tv)	35,03% PASS Traffic signal transmittance:
	high and prolonged exposure	0,00%	(max 0.5 TV)	17,51% PASS Red signal 31,28% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	82,40%	No requirement	Yellow signal 34,08% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	29,77%	(min 0,2 TV)	7,02% PASS Green signal 36,10% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	35,10%			Filter Category:	2
TSB	(mean 380 ÷ 500 nm)	26,27%				Medium sunglare reduction
TSIR	(mean 780 ÷ 2000 nm)	81,60%				Not Suitable for driving at night
TSUV	(mean 280 ÷ 400 nm)	0,01%				
TSUVA	(mean 315 ÷ 400 nm)	0,02%	(max Tv)	35,1%	PASS	Qgreen 1,03 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	1,75%	PASS	Qyellow 0,96 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	17,55%	PASS	Qred 0,89 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	27,30%	(min 0,2 TV)	7,02%	PASS	Qblue 0,97 (min. = 0,70) PASS



D65 : x=0,3206
y=0,3669
C : x=0,3188
y=0,3540



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	31,81	590	33,19	690	35,84	800	70,40
210	0,00	310	0,00	400	1,11	500	33,16	600	31,94	700	37,10	850	84,46
220	0,00	320	0,00	410	11,60	510	34,80	610	31,28	710	38,13	900	87,81
230	0,00	330	0,00	420	21,66	520	36,50	620	31,10	720	39,15	950	87,94
240	0,00	340	0,00	430	25,50	530	37,93	630	30,92	730	40,41	1000	86,98
250	0,00	350	0,00	440	26,70	540	38,61	640	30,74	740	42,14	1050	85,89
260	0,00	360	0,00	450	27,31	550	38,13	650	30,85	750	44,77	1100	84,73
270	0,00	370	0,00	460	27,95	560	37,06	660	31,47	760	48,36	1150	83,42
280	0,00	380	0,00	470	29,04	570	35,97	670	32,80	770	53,34	1200	81,98
290	0,00			480	30,51	580	34,66	680	34,43	780	59,05		

Data subject to change without notice

De Luca Alfonso
Responsible Alfonso De Luca