


OPTICAL GLASS LENS		Polarized glass lenses		243		CUSTOMER		BARBERINI SPA	
PolaWhite/G30 - AR 99 cc						TECHNICAL DATA SHEET N.		NO2500	
						GLASS CODE:		P001G5c0	
Base: 6		Coating: AR 99 cc				DATE:		07/05/2015	
Thickness: 1.8 mm		Polarization Ratio: > 25		(min 8:1)		Photochromic Ratio:		0,00%	
Hardening: Chemically		Degree of Polarization: 0,99				Photochromic Interval:		0,00	
Optical Centre: Centre		Reflection factor: PASS 1,47%		(max 2.5%)					

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)	29,58%							
TSB	(mean 380 ÷ 500 nm)	24,22%							
TSIR	(mean 780 ÷ 2000 nm)	78,54%	(max TV)					NO IR PROTECTION	
TSUV	(mean 280 ÷ 380 nm)	0,01%							
TSUVA	(mean 315 ÷ 380 nm)	0,01%	(max 0,5 TV)	14,79%	PASS				
TSUVB	(mean 280 ÷ 315 nm)	0,01%	(max 0,05 TV)	1,47%	PASS				
TVIS	(peak min 475 ÷ 650 nm)	26,82%	(min 0,2 Tv)	5,91%	PASS				
	Qgreen	0,99	(min. = 0,60)		PASS				
	Qyellow	1,01	(min. = 0,60)		PASS				
	Qred	1,04	(min. = 0,80)		PASS				
	Qblue	0,96	(min. = 0,60)		PASS				

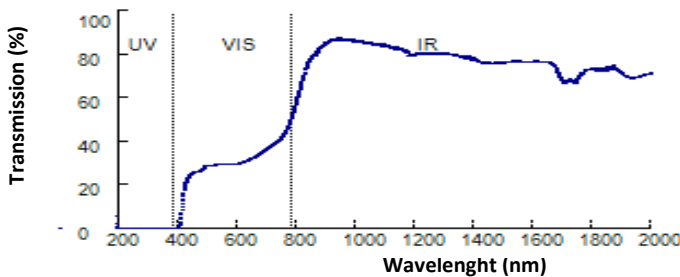
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

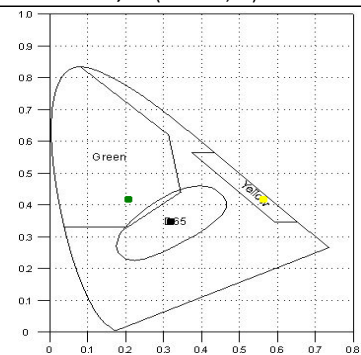
						Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	29,58%	(8<=Tv<40)		PASS			Medium to dark	
TSB	(mean 380 ÷ 500 nm)	24,22%							
TSUVB	(mean 280 ÷ 315 nm)							Color limits:	
	normal use	0,00%	(<=1/8Tv)	3,69%	PASS			Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,29%	PASS			Yellow traffic signals	x=0,5795 y=0,4192
TSUVA	(mean 315 ÷ 380 nm)							Green traffic signals	x=0,2121 y=0,4202
	normal use	0,00%	(max Tv)	29,58%	PASS			Traffic signal transmittance:	
	high and prolonged exposure	0,00%	(max 0.5 TV)	14,79%	PASS			Red signal	31,86% (>= 8%)
TSIR	(mean 780 ÷ 1400 nm)	79,24%	No requirement					Yellow signal	30,11% (>= 6%)
TVIS	(peak min 475 ÷ 650 nm)	26,83%	(min 0,2 TV)	5,91%	PASS			Green signal	29,33% (>= 6%)

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	29,58%							
TSB	(mean 380 ÷ 500 nm)	24,22%							
TSIR	(mean 780 ÷ 2000 nm)	78,54%						Filter Category: 2	
TSUV	(mean 280 ÷ 400 nm)	0,02%						Medium sunglare reduction	
TSUVA	(mean 315 ÷ 400 nm)	0,02%	(max Tv)	29,58%	PASS			Not Suitable for driving at night	
TSUVB	(mean 280 ÷ 315 nm)	0,01%	(max Tv)	1,47%	PASS			Qgreen	0,99 (min. = 0,60)
TSUVB1	(peak max 315 ÷ 350 nm)	0,02%	(max 0,5 Tv)	14,79%	PASS			Qyellow	1,01 (min. = 0,80)
TVIS	(peak min 450 ÷ 650 nm)	25,93%	(min 0,2 Tv)	5,91%	PASS			Qred	1,04 (min. = 0,80)
								Qblue	0,99 (min. = 0,70)



D65 : x=0,3270
y=0,3489
C : x=0,3248
y=0,3364



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,02	390	0,01	490	28,68	590	29,70	690	35,95	800	59,90
210	0,00	310	0,01	400	0,74	500	28,95	600	29,91	700	36,87	850	78,83
220	0,00	320	0,00	410	10,07	510	28,95	610	30,21	710	37,74	900	85,33
230	0,02	330	0,01	420	19,61	520	29,33	620	30,60	720	38,64	950	87,26
240	0,02	340	0,02	430	23,35	530	29,63	630	31,11	730	39,68	1000	86,44
250	0,01	350	0,01	440	25,00	540	29,68	640	31,79	740	40,75	1050	85,07
260	0,01	360	0,00	450	25,93	550	29,57	650	32,55	750	42,28	1100	84,27
270	0,01	370	0,02	460	26,18	560	29,50	660	33,30	760	44,38	1150	82,26
280	0,01	380	0,02	470	26,43	570	29,58	670	34,12	770	46,96	1200	80,23
290	0,01			480	27,40	580	29,64	680	34,96	780	50,70		

Data subject to change without notice

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