


OPTICAL GLASS LENS		Polarized glass lenses		1		CUSTOMER		BARBERINI SPA	
PolaBlu/Blu 35% - AR 99 cc						TECHNICAL DATA SHEET N.		NO2899	
						GLASS CODE:		B401T5C0	
Base: 6		Coating: AR 99 cc				DATE:		01/09/2016	
Thickness: 1.8 mm		Polarization Ratio: > 25		(min 8:1)					
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)	34,21%							
TSB	(mean 380 ÷ 500 nm)	35,85%							
TSIR	(mean 780 ÷ 2000 nm)	78,80%	(max TV)			NO IR PROTECTION			
TSUV	(mean 280 ÷ 380 nm)	0,00%							
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	17,1%	PASS				
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	1,71%	PASS				
TVIS	(peak min 475 ÷ 650 nm)	27,84%	(min 0,2 Tv)	6,84%	PASS				
	Qgreen	1,04	(min. = 0,60)		PASS				
	Qyellow	0,92	(min. = 0,60)		PASS				
	Qred	0,84	(min. = 0,80)		PASS				
	Qblue	1,12	(min. = 0,60)		PASS				

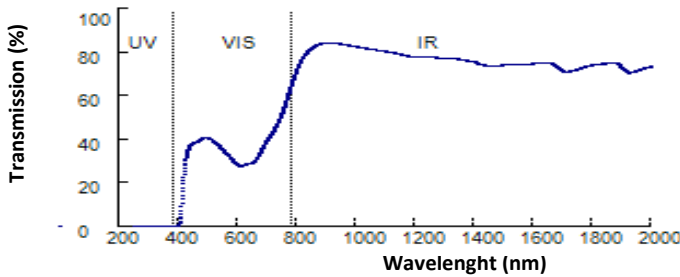
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

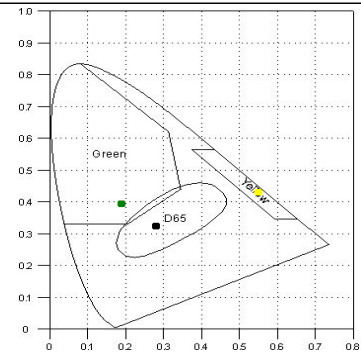
						Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	34,13%	(8<=Tv<40)		PASS			Medium to dark	
TSB	(mean 380 ÷ 500 nm)	35,85%							
TSUVB	(mean 280 ÷ 315 nm)					Color limits:			
	normal use	0,00%	(<=1/8Tv)	4,26%	PASS	Chromaticity (D65)			PASS
	high and prolonged exposure	0,00%	(max 1%)	0,34%	PASS	Yellow traffic signals	x=0,5674 y=0,4312		PASS
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	x=0,1937 y=0,3955		PASS
	normal use	0,00%	(max Tv)	34,13%	PASS	Traffic signal transmittance:			
	high and prolonged exposure	0,00%	(max 0.5 TV)	17,06%	PASS	Red signal	29,49% (>= 8%)		PASS
TSIR	(mean 780 ÷ 1400 nm)	79,68%	No requirement			Yellow signal	30,90% (>= 6%)		PASS
TVIS	(peak min 475 ÷ 650 nm)	27,84%	(min 0,2 TV)	6,84%	PASS	Green signal	36,44% (>= 6%)		PASS

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	34,21%				Filter Category: 2			
TSB	(mean 380 ÷ 500 nm)	35,85%							
TSIR	(mean 780 ÷ 2000 nm)	78,80%				Medium sunglare reduction			
TSUV	(mean 280 ÷ 400 nm)	0,01%				Not Suitable for driving at night			
TSUVA	(mean 315 ÷ 400 nm)	0,01%	(max Tv)	34,21%	PASS	Qgreen	1,06 (min. = 0,60)		PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	1,71%	PASS	Qyellow	0,90 (min. = 0,80)		PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	17,1%	PASS	Qred	0,84 (min. = 0,80)		PASS
TVIS	(peak min 450 ÷ 650 nm)	27,85%	(min 0,2 TV)	6,84%	PASS	Qblue	1,10 (min. = 0,70)		PASS



D65 : x=0,2875
y=0,3255
C : x=0,2852
y=0,3116



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	40,72	590	29,40	690	37,68	800	72,33
210	0,00	310	0,00	400	0,66	500	40,60	600	28,15	700	39,95	850	82,19
220	0,00	320	0,00	410	12,65	510	40,10	610	27,85	710	41,95	900	84,33
230	0,00	330	0,00	420	28,08	520	39,01	620	28,25	720	44,01	950	83,94
240	0,00	340	0,00	430	35,15	530	37,72	630	28,66	730	46,41	1000	82,80
250	0,00	350	0,00	440	37,72	540	36,47	640	28,90	740	49,11	1050	81,66
260	0,00	360	0,00	450	38,65	550	35,03	650	29,42	750	52,47	1100	80,56
270	0,00	370	0,00	460	39,08	560	33,60	660	30,64	760	56,30	1150	79,25
280	0,00	380	0,00	470	39,82	570	32,37	670	32,73	770	60,56	1200	77,88
290	0,00			480	40,60	580	31,00	680	35,28	780	64,77		

Data subject to change without notice

De Luca Alfonso
Responsible Alfonso De Luca