


OPTICAL GLASS LENS		Polarized glass lenses		259	CUSTOMER	BARBERINI SPA
PolaACE/Br.27% - AR 99 cc					TECHNICAL DATA SHEET N.	NO2879
Base:	6	Coating:	AR 99 cc		GLASS CODE:	ACLZB5c3
Thickness:	1.8 mm	Polarization Ratio:	> 25	(min 8:1)	DATE:	14/07/2016
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:	3	Dark tint	
				
TV	(mean 380 ÷ 780 nm)	16,49%		
TSB	(mean 380 ÷ 500 nm)	11,53%		
TSIR	(mean 780 ÷ 2000 nm)	66,99%	(max TV)	NO IR PROTECTION
TSUV	(mean 280 ÷ 380 nm)	0,00%		
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	8,24% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 1%)	0,16% PASS
TVIS	(peak min 475 ÷ 650 nm)	9,84%	(min 0,2 Tv)	3,29% PASS
	Qgreen	0,96	(min. = 0,60)	PASS
	Qyellow	1,07	(min. = 0,60)	PASS
	Qred	1,27	(min. = 0,80)	PASS
	Qblue	0,90	(min. = 0,60)	PASS

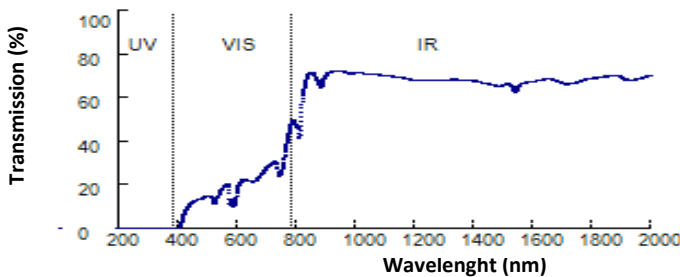
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

**American Norm: ANSI Z80.3-2010**

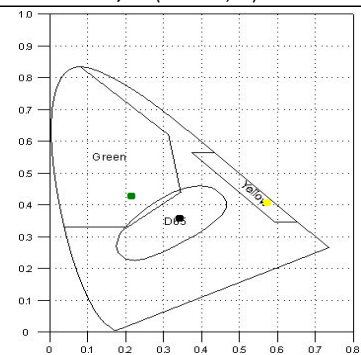
				Primary function and shade general purpose
TV	(mean 380 ÷ 780 nm)	16,52%	(8<=Tv<40)	PASS Medium to dark
TSB	(mean 380 ÷ 500 nm)	11,53%		
TSUVB	(mean 280 ÷ 315 nm)			Color limits:
	normal use	0,00%	(<=1/8Tv)	2,06% PASS Chromaticity (D65) PASS
	high and prolonged exposure	0,00%	(max 1%)	0,16% PASS Yellow traffic signals x=0,5902 y=0,4085 PASS
TSUVA	(mean 315 ÷ 380 nm)			Green traffic signals x=0,2217 y=0,4301 PASS
	normal use	0,00%	(max Tv)	16,52% PASS Traffic signal transmittance:
	high and prolonged exposure	0,00%	(max 0.5 TV)	8,26% PASS Red signal 22,37% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	66,98%	No requirement	Yellow signal 18,00% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	9,84%	(min 0,2 TV)	3,29% PASS Green signal 15,61% (>= 6%) PASS

**Australian Norm: AS/NZS 1067:2009**

TV	(mean 380 ÷ 780 nm)	16,49%			Filter Category:	3
TSB	(mean 380 ÷ 500 nm)	11,53%				High sunglare reduction
TSIR	(mean 780 ÷ 2000 nm)	66,99%				Not Suitable for driving at night
TSUV	(mean 280 ÷ 400 nm)	0,00%				
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(0,5 Tv)	8,24%	PASS	Qgreen 0,94 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(0,5 Tv)	0,82%	PASS	Qyellow 1,09 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	8,24%	PASS	Qred 1,27 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	11,47%	(min 0,2 Tv)	3,29%	PASS	Qblue 0,94 (min. = 0,70) PASS



D65 : x=0,3515  
y=0,3590  
C : x=0,3491  
y=0,3480



**Spectral Data:**

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	14,64	590	12,91	690	26,76	800	46,82
210	0,00	310	0,00	400	0,39	500	14,96	600	19,23	700	28,49	850	72,01
220	0,00	320	0,00	410	3,79	510	14,52	610	21,41	710	29,63	900	70,94
230	0,00	330	0,00	420	7,73	520	11,48	620	22,57	720	30,45	950	72,40
240	0,00	340	0,00	430	9,82	530	14,34	630	22,20	730	30,33	1000	71,69
250	0,00	350	0,00	440	11,59	540	17,63	640	21,93	740	24,25	1050	71,06
260	0,00	360	0,00	450	12,55	550	18,93	650	21,43	750	27,25	1100	70,44
270	0,00	370	0,00	460	13,15	560	20,13	660	22,17	760	35,85	1150	69,50
280	0,00	380	0,00	470	13,63	570	13,74	670	23,58	770	42,99	1200	68,48
290	0,00			480	14,21	580	13,61	680	25,02	780	48,59		

Data subject to change without notice

*De Luca Alfonso*  
Responsible Alfonso De Luca