


OPTICAL GLASS LENS		Polarized glass lenses		193	CUSTOMER	BARBERINI SPA
Pola ACE / Br.18% - AR 99 cc				B.4	TECHNICAL DATA SHEET N.	NO2569
Base:	4,25	Coating:	AR 99 cc		GLASS CODE:	AH01J540
Thickness:	1.8 mm	Polarization Ratio:	> 25	(min 8:1)	DATE:	30/06/2015
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:	3	Dark tint	
				
TV	(mean 380 ÷ 780 nm)	13,28%		
TSB	(mean 380 ÷ 500 nm)	7,50%		
TSIR	(mean 780 ÷ 2000 nm)	77,49%	(max TV)	NO IR PROTECTION
TSUV	(mean 280 ÷ 380 nm)	0,00%		
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	6,64% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 1%)	0,13% PASS
TVIS	(peak min 475 ÷ 650 nm)	8,11%	(min 0,2 Tv)	2,65% PASS
	Qgreen	0,90	(min. = 0,60)	PASS
	Qyellow	1,16	(min. = 0,60)	PASS
	Qred	1,47	(min. = 0,80)	PASS
	Qblue	0,81	(min. = 0,60)	PASS

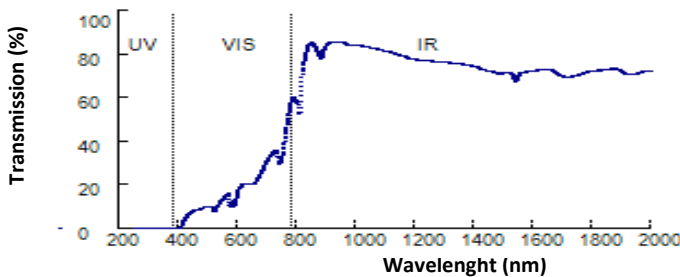
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose
TV	(mean 380 ÷ 780 nm)	13,34%	(8<=Tv<40)	PASS Medium to dark
TSB	(mean 380 ÷ 500 nm)	7,50%		
TSUVB	(mean 280 ÷ 315 nm)			<i>Color limits:</i>
	normal use	0,00%	(<=1/8Tv)	1,66% PASS Chromaticity (D65)
	high and prolonged exposure	0,00%	(max 1%)	0,13% PASS Yellow traffic signals x=0,5998 y=0,3991 PASS
TSUVA	(mean 315 ÷ 380 nm)			PASS Green traffic signals x=0,2394 y=0,4430 PASS
	normal use	0,00%	(max Tv)	13,34% PASS <i>Traffic signal transmittance:</i>
	high and prolonged exposure	0,00%	(max 0.5 TV)	6,67% PASS Red signal 21,24% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	78,61%	No requirement	Yellow signal 15,90% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	8,12%	(min 0,2 TV)	2,65% PASS Green signal 11,70% (>= 6%) PASS

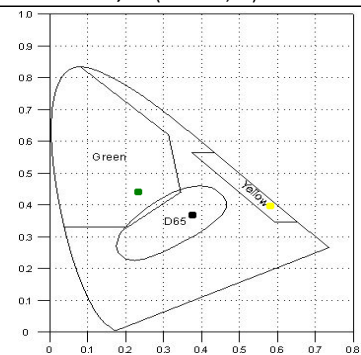
Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	13,28%			Filter Category: 3
TSB	(mean 380 ÷ 500 nm)	7,50%			High sunglare reduction
TSIR	(mean 780 ÷ 2000 nm)	77,49%			Not Suitable for driving at night
TSUV	(mean 280 ÷ 400 nm)	0,00%			
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(0,5 Tv)	6,64% PASS	Qgreen 0,87 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(0,5 Tv)	0,66% PASS	Qyellow 1,20 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	6,64% PASS	Qred 1,47 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	8,11%	(min 0,2 TV)	2,65% PASS	Qblue 0,89 (min. = 0,70) PASS



D65 : **x=0,3869**
y=0,3698

C : **x=0,3847**
y=0,3602



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	9,93	590	12,48	690	29,10	800	57,93
210	0,00	310	0,00	400	0,06	500	10,20	600	17,66	700	31,84	850	85,47
220	0,00	320	0,00	410	1,70	510	10,00	610	19,51	710	33,77	900	84,42
230	0,00	330	0,00	420	4,58	520	8,12	620	20,82	720	35,26	950	85,81
240	0,00	340	0,00	430	6,33	530	10,44	630	20,76	730	35,76	1000	84,61
250	0,00	350	0,00	440	7,55	540	12,77	640	20,60	740	29,91	1050	83,23
260	0,00	360	0,00	450	8,22	550	13,84	650	20,34	750	33,65	1100	81,64
270	0,00	370	0,00	460	8,63	560	15,30	660	21,54	760	43,38	1150	79,80
280	0,00	380	0,00	470	9,05	570	12,20	670	23,72	770	51,80	1200	77,79
290	0,00			480	9,56	580	12,81	680	26,28	780	58,48		

Data subject to change without notice

De Luca Alfonso
Responsible Alfonso De Luca