


OPTICAL GLASS LENS		Polarized glass lenses		217	CUSTOMER	BARBERINI SPA	
PolaACE/Br.20% - AR 99 CC					TECHNICAL DATA SHEET N.	NO2656	
Base:	6	Coating:	AR 99 CC	GLASS CODE:	AH01P5C0	DATE:	19/01/2016
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: 3		Dark tint	
TV (mean 380 ÷ 780 nm)	14,72%			
TSB (mean 380 ÷ 500 nm)	4,66%			
TSIR (mean 780 ÷ 2000 nm)	78,72% (max TV)		NO IR PROTECTION	
TSUV (mean 280 ÷ 380 nm)	0,00%			
TSUVA (mean 315 ÷ 380 nm)	0,00% (max 0,5 TV)	7,36%	PASS	
TSUVB (mean 280 ÷ 315 nm)	0,00% (max 1%)	0,14%	PASS	
TVIS (peak min 475 ÷ 650 nm)	6,61% (min 0,2 Tv)	2,94%	PASS	
Qgreen	0,90 (min. = 0,60)		PASS	
Qyellow	1,18 (min. = 0,60)		PASS	
Qred	1,50 (min. = 0,80)		PASS	
Qblue	0,69 (min. = 0,60)		PASS	

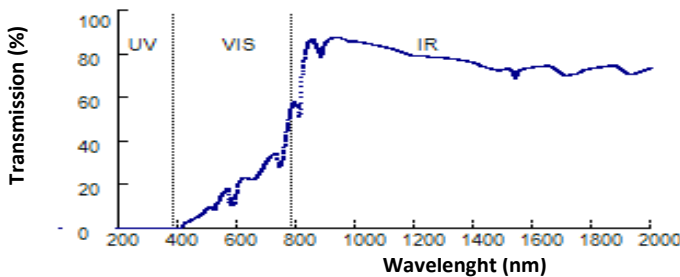
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose
TV (mean 380 ÷ 780 nm)	14,77% (8<=Tv<40)		PASS	Medium to dark
TSB (mean 380 ÷ 500 nm)	4,66%			
TSUVB (mean 280 ÷ 315 nm)				<i>Color limits:</i>
normal use	0,00% (<=1/8Tv)	1,84%	PASS	Chromaticity (D65)
high and prolonged exposure	0,00% (max 1%)	0,14%	PASS	Yellow traffic signals x=0,5983 y=0,4006 PASS
TSUVA (mean 315 ÷ 380 nm)				Green traffic signals x=0,2625 y=0,5089 PASS
normal use	0,00% (max Tv)	14,77%	PASS	<i>Traffic signal transmittance:</i>
high and prolonged exposure	0,00% (max 0.5 TV)	7,38%	PASS	Red signal 23,55% (>= 8%) PASS
TSIR (mean 780 ÷ 1400 nm)	79,79% No requirement			Yellow signal 18,03% (>= 6%) PASS
TVIS (peak min 475 ÷ 650 nm)	6,61% (min 0,2 TV)	2,94%	PASS	Green signal 12,78% (>= 6%) PASS

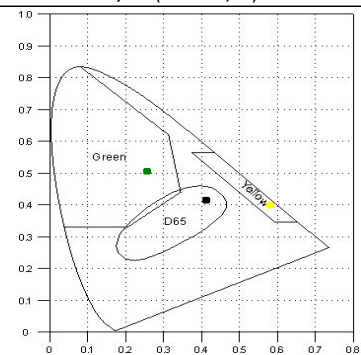
Australian Norm: AS/NZS 1067:2009

TV (mean 380 ÷ 780 nm)	14,72%			Filter Category: 3
TSB (mean 380 ÷ 500 nm)	4,66%			High sunglare reduction
TSIR (mean 780 ÷ 2000 nm)	78,72%			Not Suitable for driving at night
TSUV (mean 280 ÷ 400 nm)	0,00%			
TSUVA (mean 315 ÷ 400 nm)	0,00% (0,5 Tv)	7,36%	PASS	Qgreen 0,86 (min. = 0,60) PASS
TSUVB (mean 280 ÷ 315 nm)	0,00% (0,5 Tv)	0,73%	PASS	Qyellow 1,22 (min. = 0,80) PASS
TSUVB1 (peak max 315 ÷ 350 nm)	0,00% (max 0,5 Tv)	7,36%	PASS	Qred 1,49 (min. = 0,80) PASS
TVIS (peak min 450 ÷ 650 nm)	4,55% (min 0,2 Tv)	2,94%	PASS	Qblue 0,81 (min. = 0,70) PASS



D65 : **x=0,4243**
y=0,4167

C : **x=0,4240**
y=0,4090



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	8,34	590	13,96	690	29,49	800	56,40
210	0,00	310	0,00	400	0,01	500	9,40	600	20,34	700	31,72	850	87,25
220	0,00	320	0,00	410	0,89	510	9,99	610	22,46	710	33,17	900	86,27
230	0,00	330	0,00	420	2,51	520	8,77	620	23,65	720	34,31	950	87,52
240	0,00	340	0,00	430	3,34	530	11,57	630	23,26	730	34,50	1000	86,17
250	0,00	350	0,00	440	3,99	540	14,72	640	22,92	740	28,27	1050	84,87
260	0,00	360	0,00	450	4,56	550	16,23	650	22,48	750	31,70	1100	83,36
270	0,00	370	0,00	460	5,25	560	17,94	660	23,45	760	40,89	1150	81,51
280	0,00	380	0,00	470	6,12	570	13,55	670	25,29	770	48,97	1200	79,43
290	0,00			480	7,23	580	14,23	680	27,28	780	55,80		

Data subject to change without notice

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