


OPTICAL GLASS LENS		Polarized glass lenses		11	CUSTOMER	BARBERINI SPA
PolaWhite/Br.33% - AR 99 cc					TECHNICAL DATA SHEET N.	NO2801
Base:	6	Coating:	AR 99 cc		GLASS CODE:	PA0115c0
Thickness:	1.8 mm	Polarization Ratio:	> 25	(min 8:1)	DATE:	19/04/2016
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: 2		Medium tint	
TV (mean 380 ÷ 780 nm)	32,35%			
TSB (mean 380 ÷ 500 nm)	18,10%			
TSIR (mean 780 ÷ 2000 nm)	80,17% (max TV)		NO IR PROTECTION	
TSUV (mean 280 ÷ 380 nm)	0,00%			
TSUVA (mean 315 ÷ 380 nm)	0,00% (max 0,5 TV)	16,17%	PASS	
TSUVB (mean 280 ÷ 315 nm)	0,00% (max 0,05 TV)	1,61%	PASS	
TVIS (peak min 475 ÷ 650 nm)	20,12% (min 0,2 Tv)	6,47%	PASS	
Qgreen	0,95 (min. = 0,60)		PASS	
Qyellow	1,10 (min. = 0,60)		PASS	
Qred	1,16 (min. = 0,80)		PASS	
Qblue	0,77 (min. = 0,60)		PASS	

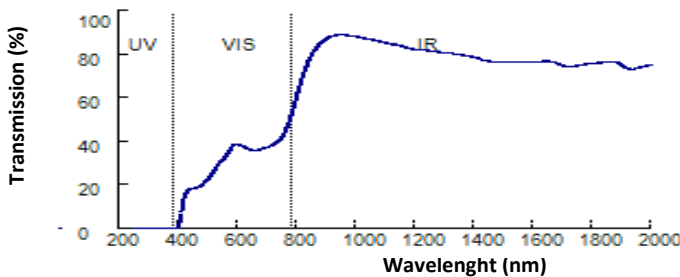
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose
TV (mean 380 ÷ 780 nm)	32,42% (8<=Tv<40)		PASS	Medium to dark
TSB (mean 380 ÷ 500 nm)	18,10%			
TSUVB (mean 280 ÷ 315 nm)				<i>Color limits:</i>
normal use	0,00% (<=1/8Tv)	4,05%	PASS	Chromaticity (D65)
high and prolonged exposure	0,00% (max 1%)	0,32%	PASS	Yellow traffic signals x=0,5814 y=0,4173 PASS
TSUVA (mean 315 ÷ 380 nm)				Green traffic signals x=0,2413 y=0,4604 PASS
normal use	0,00% (max Tv)	32,42%	PASS	<i>Traffic signal transmittance:</i>
high and prolonged exposure	0,00% (max 0.5 TV)	16,21%	PASS	Red signal 36,85% (>= 8%) PASS
TSIR (mean 780 ÷ 1400 nm)	80,89% No requirement			Yellow signal 36,41% (>= 6%) PASS
TVIS (peak min 475 ÷ 650 nm)	20,12% (min 0,2 TV)	6,47%	PASS	Green signal 29,86% (>= 6%) PASS

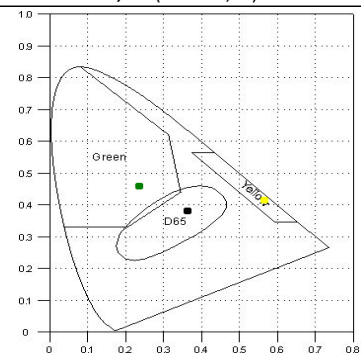
Australian Norm: AS/NZS 1067:2009

TV (mean 380 ÷ 780 nm)	32,35%			Filter Category: 2
TSB (mean 380 ÷ 500 nm)	18,10%			Medium sunglare reduction
TSIR (mean 780 ÷ 2000 nm)	80,17%			Not Suitable for driving at night
TSUV (mean 280 ÷ 400 nm)	0,02%			
TSUVA (mean 315 ÷ 400 nm)	0,04% (max Tv)	32,35%	PASS	Qgreen 0,92 (min. = 0,60) PASS
TSUVB (mean 280 ÷ 315 nm)	0,00% (max Tv)	1,61%	PASS	Qyellow 1,12 (min. = 0,80) PASS
TSUVB1 (peak max 315 ÷ 350 nm)	0,00% (max 0,5 Tv)	16,17%	PASS	Qred 1,16 (min. = 0,80) PASS
TVIS (peak min 450 ÷ 650 nm)	18,64% (min 0,2 TV)	6,47%	PASS	Qblue 0,84 (min. = 0,70) PASS



D65 : **x=0,3724**
y=0,3837

C : **x=0,3706**
y=0,3731



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	21,87	590	38,87	690	37,18	800	61,95
210	0,00	310	0,00	400	1,56	500	23,13	600	38,75	700	37,54	850	80,27
220	0,00	320	0,00	410	9,39	510	24,79	610	38,21	710	38,01	900	87,53
230	0,00	330	0,00	420	15,43	520	26,96	620	37,61	720	38,61	950	89,11
240	0,00	340	0,00	430	17,68	530	29,25	630	36,99	730	39,50	1000	88,34
250	0,00	350	0,00	440	18,33	540	30,97	640	36,48	740	40,80	1050	86,97
260	0,00	360	0,00	450	18,65	550	32,11	650	36,21	750	42,58	1100	85,52
270	0,00	370	0,00	460	19,01	560	33,58	660	36,15	760	45,08	1150	84,05
280	0,00	380	0,00	470	19,64	570	35,82	670	36,38	770	48,40	1200	82,41
290	0,00			480	20,67	580	37,91	680	36,80	780	52,47		

Data subject to change without notice

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