


OPTICAL GLASS LENS		Polarized glass lenses		3	CUSTOMER	BARBERINI SPA
PolaGreen/Gr.40% - AR 99 cc					TECHNICAL DATA SHEET N.	NO2878
Base:	6	Coating:	AR 99 cc		GLASS CODE:	CR01Q5c0
Thickness:	1.8 mm	Polarization Ratio:	> 25	(min 8:1)	DATE:	14/07/2016
Hardening:	Chemically	Degree of Polarization:	0,95		Photochromic Ratio:	0,00%
Optical Centre:	Centre	Reflection factor:	PASS 1,47%	(max 2.5%)	Photochromic Interval:	0,00

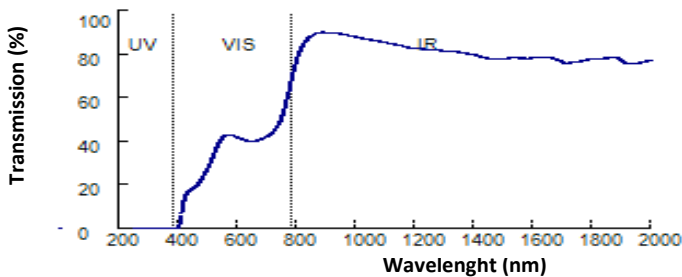
This sunglare filter is conform to the following International Norm:

<b>European Norm: ISO 12312-1 2013</b>		Filter Category: <b>2</b>	<b>Medium tint</b>	
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>39,09%</b>		<b>NO IR PROTECTION</b>
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>18,76%</b>		
<b>TSIR</b>	(mean 780 ÷ 2000 nm)	<b>84,00%</b>	(max TV)	
<b>TSUV</b>	(mean 280 ÷ 380 nm)	<b>0,00%</b>		
<b>TSUVA</b>	(mean 315 ÷ 380 nm)	<b>0,00%</b>	(max 0,5 TV)	19,54% <b>PASS</b>
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,00%</b>	(max 0,05 TV)	1,95% <b>PASS</b>
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>22,62%</b>	(min 0,2 Tv)	7,81% <b>PASS</b>
	<b>Qgreen</b>	<b>0,99</b>	(min. = 0,60)	<b>PASS</b>
	<b>Qyellow</b>	<b>1,06</b>	(min. = 0,60)	<b>PASS</b>
	<b>Qred</b>	<b>1,04</b>	(min. = 0,80)	<b>PASS</b>
	<b>Qblue</b>	<b>0,78</b>	(min. = 0,60)	<b>PASS</b>

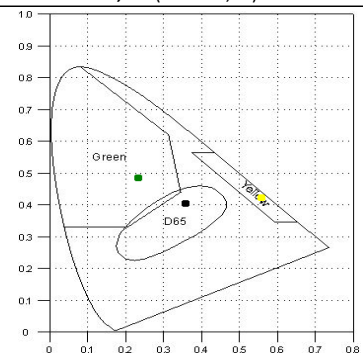
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

<b>American Norm: ANSI Z80.3-2010</b>		Primary function and shade general purpose			
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>39,11%</b>	(8<=Tv<40)	<b>PASS</b>	Medium to dark
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>18,76%</b>			
<b>TSUVB</b>	(mean 280 ÷ 315 nm)				<i>Color limits:</i>
	normal use	<b>0,00%</b>	(<=1/8Tv)	4,88%	<b>PASS</b> Chromaticity (D65)
	high and prolonged exposure	<b>0,00%</b>	(max 1%)	0,39%	<b>PASS</b> Yellow traffic signals <b>x=0,5737 y=0,4250</b> <b>PASS</b>
<b>TSUVA</b>	(mean 315 ÷ 380 nm)				<b>PASS</b> Green traffic signals <b>x=0,2397 y=0,4874</b> <b>PASS</b>
	normal use	<b>0,00%</b>	(max Tv)	39,11%	<b>PASS</b> <i>Traffic signal transmittance:</i>
	high and prolonged exposure	<b>0,00%</b>	(max 0.5 TV)	19,55%	<b>PASS</b> Red signal <b>40,58%</b> (>= 8%) <b>PASS</b>
<b>TSIR</b>	(mean 780 ÷ 1400 nm)	<b>85,13%</b>	No requirement		<b>PASS</b> Yellow signal <b>42,07%</b> (>= 6%) <b>PASS</b>
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>22,62%</b>	(min 0,2 TV)	7,81%	<b>PASS</b> Green signal <b>37,64%</b> (>= 6%) <b>PASS</b>

<b>Australian Norm: AS/NZS 1067:2009</b>		Filter Category: <b>2</b>			
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>39,09%</b>			Medium sunglare reduction
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>18,76%</b>			Not Suitable for driving at night
<b>TSIR</b>	(mean 780 ÷ 2000 nm)	<b>84,00%</b>			
<b>TSUV</b>	(mean 280 ÷ 400 nm)	<b>0,02%</b>			
<b>TSUVA</b>	(mean 315 ÷ 400 nm)	<b>0,03%</b>	(max Tv)	39,09%	<b>PASS</b> <b>Qgreen</b> <b>0,96</b> (min. = 0,60) <b>PASS</b>
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,00%</b>	(max Tv)	1,95%	<b>PASS</b> <b>Qyellow</b> <b>1,07</b> (min. = 0,80) <b>PASS</b>
<b>TSUVB1</b>	(peak max 315 ÷ 350 nm)	<b>0,00%</b>	(max 0,5 Tv)	19,54%	<b>PASS</b> <b>Qred</b> <b>1,05</b> (min. = 0,80) <b>PASS</b>
<b>TVIS</b>	(peak min 450 ÷ 650 nm)	<b>18,87%</b>	(min 0,2 TV)	7,81%	<b>PASS</b> <b>Qblue</b> <b>0,85</b> (min. = 0,70) <b>PASS</b>



D65 : **x=0,3684**  
**y=0,4059**  
C : **x=0,3674**  
**y=0,3954**



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	26,16	590	42,47	690	41,96	800	78,39
210	0,00	310	0,00	400	1,36	500	28,73	600	41,81	700	42,70	850	88,77
220	0,00	320	0,00	410	8,57	510	31,78	610	41,24	710	43,69	900	90,32
230	0,00	330	0,00	420	14,43	520	35,02	620	40,79	720	44,83	950	89,54
240	0,00	340	0,00	430	16,94	530	38,09	630	40,48	730	46,55	1000	88,14
250	0,00	350	0,00	440	18,04	540	40,71	640	40,26	740	48,94	1050	86,81
260	0,00	360	0,00	450	18,87	550	42,37	650	40,28	750	52,35	1100	85,55
270	0,00	370	0,00	460	19,90	560	43,14	660	40,42	760	56,88	1150	84,23
280	0,00	380	0,00	470	21,54	570	43,31	670	40,74	770	62,40	1200	82,76
290	0,00			480	23,76	580	43,02	680	41,35	780	68,24		

Data subject to change without notice

*De Luca Alfonso*  
Responsible Alfonso De Luca