


<b>OPTICAL GLASS LENS</b>		<b>Polarized glass lenses</b>		<b>C</b>	<b>CUSTOMER</b>	<b>BARBERINI SPA</b>
<b>PolaACE IR/Br.18% - Mir.8 St.Blu VE/AR 99</b>					<b>TECHNICAL DATA SHEET N.</b>	<b>NO2694</b>
Base:	<b>6</b>	Coating:	<b>Mir.8 St.Blu VE/AR 99</b>		<b>GLASS CODE:</b>	<b>160304CCE7</b>
Thickness:	<b>1.8 mm</b>	Polarization Ratio:	<b>&gt; 25 (min 8:1)</b>		<b>DATE:</b>	<b>17/02/2016</b>
Hardening:	<b>Chemically</b>	Degree of Polarization:	<b>0,99</b>		Photochromic Ratio:	<b>0,00%</b>
Optical Centre:	<b>Centre</b>	Reflection factor:	<b>PASS 1,47% (max 2.5%)</b>		Photochromic Interval:	<b>0,00</b>

**This sunglare filter is conform to the following International Norm:**

**European Norm: ISO 12312-1 2013**

	Filter Category:	<b>3</b>			<b>Dark tint</b>
					
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>8,37%</b>			
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>4,54%</b>			
<b>TSIR</b>	(mean 780 ÷ 2000 nm)				
<b>TSUV</b>	(mean 280 ÷ 380 nm)	<b>0,01%</b>			
<b>TSUVA</b>	(mean 315 ÷ 380 nm)	<b>0,01%</b>	(max 0,5 TV)	4,18%	<b>PASS</b>
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,01%</b>	(max 1%)	0,08%	<b>PASS</b>
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>4,78%</b>	(min 0,2 Tv)	1,67%	<b>PASS</b>
	<b>Qgreen</b>	<b>0,90</b>	(min. = 0,60)		<b>PASS</b>
	<b>Qyellow</b>	<b>1,17</b>	(min. = 0,60)		<b>PASS</b>
	<b>Qred</b>	<b>1,47</b>	(min. = 0,80)		<b>PASS</b>
	<b>Qblue</b>	<b>0,75</b>	(min. = 0,60)		<b>PASS</b>

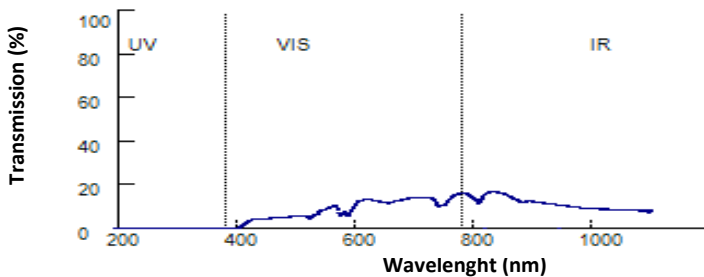
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

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

					<b>Primary function and shade general purpose</b>
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>8,40%</b>	(8<=Tv<40)	<b>PASS</b>	Medium to dark
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>4,54%</b>			
<b>TSUVB</b>	(mean 280 ÷ 315 nm)				<b>Color limits:</b>
	normal use	<b>0,01%</b>	(<=1/8Tv)	1,05%	<b>PASS</b> Chromaticity (D65)
	high and prolonged exposure	<b>0,01%</b>	(max 1%)	0,08%	<b>PASS</b> Yellow traffic signals <b>x=0,5975 y=0,4014</b> <b>PASS</b>
<b>TSUVA</b>	(mean 315 ÷ 380 nm)				<b>PASS</b> Green traffic signals <b>x=0,2468 y=0,4519</b> <b>PASS</b>
	normal use	<b>0,01%</b>	(max Tv)	8,40%	<b>PASS</b> Traffic signal transmittance:
	high and prolonged exposure	<b>0,01%</b>	(max 0.5 TV)	4,20%	<b>PASS</b> Red signal <b>12,83%</b> (>= 8%) <b>PASS</b>
<b>TSIR</b>	(mean 780 ÷ 1400 nm)		Not Calculated		<b>PASS</b> Yellow signal <b>10,10%</b> (>= 6%) <b>PASS</b>
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>4,79%</b>	(min 0,2 TV)	1,67%	<b>PASS</b> Green signal <b>7,28%</b> (>= 6%) <b>PASS</b>

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

<b>TV</b>	(mean 380 ÷ 780 nm)	<b>8,37%</b>				
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>4,54%</b>				
<b>TSIR</b>	(mean 780 ÷ 2000 nm)		Not Calculated			<b>Filter Category: 3</b>
<b>TSUV</b>	(mean 280 ÷ 400 nm)	<b>0,01%</b>				High sunglare reduction
<b>TSUVA</b>	(mean 315 ÷ 400 nm)	<b>0,01%</b>	(0,5 Tv)	4,18%	<b>PASS</b>	Not Suitable for driving at night
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,01%</b>	(0,5 Tv)	0,41%	<b>PASS</b>	<b>Qgreen</b> <b>0,86</b> (min. = 0,60) <b>PASS</b>
<b>TSUVB1</b>	(peak max 315 ÷ 350 nm)	<b>0,02%</b>	(max 0,5 Tv)	4,18%	<b>PASS</b>	<b>Qyellow</b> <b>1,20</b> (min. = 0,80) <b>PASS</b>
<b>TVIS</b>	(peak min 450 ÷ 650 nm)	<b>4,67%</b>	(min 0,2 Tv)	1,67%	<b>PASS</b>	<b>Qred</b> <b>1,47</b> (min. = 0,80) <b>PASS</b>
						<b>Qblue</b> <b>0,83</b> (min. = 0,70) <b>PASS</b>



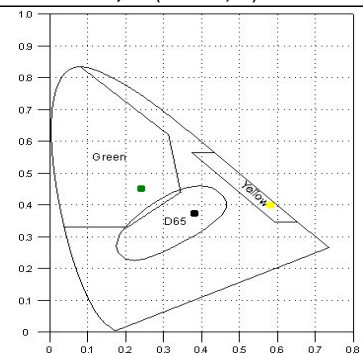
**Spectral Data:**

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,01	300	0,01	390	0,01	490	5,59	590	7,82	690	14,03	800	13,84
210	0,01	310	0,01	400	0,16	500	5,81	600	11,72	700	14,46	850	15,98
220	0,01	320	0,01	410	2,00	510	5,76	610	12,96	710	14,45	900	12,48
230	0,01	330	0,01	420	3,86	520	4,79	620	13,51	720	14,29	950	10,67
240	0,01	340	0,01	430	4,23	530	6,37	630	12,93	730	13,59	1000	9,33
250	0,01	350	0,01	440	4,52	540	8,23	640	12,54	740	10,39	1050	8,53
260	0,01	360	0,02	450	4,68	550	9,15	650	12,00	750	11,20	1100	8,77
270	0,01	370	0,01	460	4,91	560	10,30	660	12,27	760	14,00	1150	0,00
280	0,01	380	0,01	470	5,08	570	7,28	670	12,88	770	15,82	1200	0,00
290	0,01			480	5,34	580	7,91	680	13,42	780	16,66		

Data subject to change without notice

**D65 :** **x=0,3933**  
**y=0,3753**

**C :** **x=0,3909**  
**y=0,3658**



*De Luca Alfonso*  
Responsible Alfonso De Luca