


<b>OPTICAL GLASS LENS</b>		<b>Polarized glass lenses</b>		<b>CUSTOMER</b>		<b>BARBERINI SPA</b>	
<b>PolaACE IR/Br.27% - Mir.4 St.Neutral/AR 99 cc</b>				<b>TECHNICAL DATA SHEET N.</b>		<b>NO2690</b>	
				<b>GLASS CODE:</b>		<b>160206CGRN</b>	
<b>Base: 6</b>		<b>Coating: Mir.4 St.Neutral/AR 99 cc</b>		<b>DATE:</b>		<b>16/02/2016</b>	
<b>Thickness: 1.8 mm</b>		<b>Polarization Ratio: &gt; 25 (min 8:1)</b>		<b>Photochromic Ratio:</b>		<b>0,00%</b>	
<b>Hardening: Chemically</b>		<b>Degree of Polarization: 0,99</b>		<b>Photochromic Interval:</b>		<b>0,00</b>	
<b>Optical Centre: Centre</b>		<b>Reflection factor: PASS 1,47% (max 2.5%)</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>15,61%</b>					
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>10,95%</b>					
<b>TSIR</b>	(mean 780 ÷ 2000 nm)		(max TV)				
<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)	7,8%	<b>PASS</b>		
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,01%</b>	(max 1%)	0,15%	<b>PASS</b>		
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>9,23%</b>	(min 0,2 Tv)	3,12%	<b>PASS</b>		
	<b>Qgreen</b>	<b>1,01</b>	(min. = 0,60)		<b>PASS</b>		
	<b>Qyellow</b>	<b>1,01</b>	(min. = 0,60)		<b>PASS</b>		
	<b>Qred</b>	<b>1,04</b>	(min. = 0,80)		<b>PASS</b>		
	<b>Qblue</b>	<b>0,92</b>	(min. = 0,60)		<b>PASS</b>		

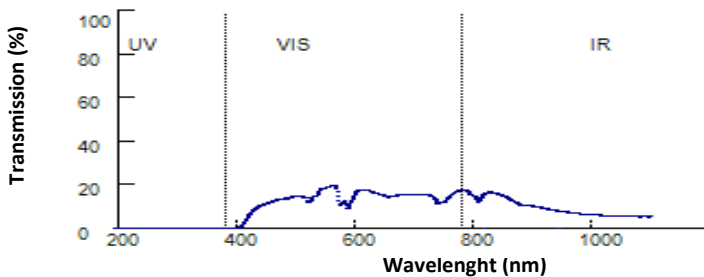
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

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

				Primary function and shade general purpose			
				Medium to dark			
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>15,61%</b>	(8<=Tv<40)	<b>PASS</b>			
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>10,95%</b>					
<b>TSUVB</b>	(mean 280 ÷ 315 nm)						
				Color limits:			
				Chromaticity (D65)		<b>PASS</b>	
				Yellow traffic signals		<b>x=0,5747 y=0,4238</b>	
				Green traffic signals		<b>x=0,2170 y=0,4379</b>	
<b>TSUVA</b>	(mean 315 ÷ 380 nm)			Traffic signal transmittance:			
				Red signal		<b>16,28%</b> (>= 8%)	
				Yellow signal		<b>15,88%</b> (>= 6%)	
<b>TSIR</b>	(mean 780 ÷ 1400 nm)		Not Calculated	Green signal		<b>15,55%</b> (>= 6%)	
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>9,24%</b>	(min 0,2 TV)	3,12%	<b>PASS</b>		

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

				Filter Category: <b>3</b>			
				High sunglare reduction			
				Not Suitable for driving at night			
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>15,61%</b>					
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>10,95%</b>					
<b>TSIR</b>	(mean 780 ÷ 2000 nm)		Not Calculated				
<b>TSUV</b>	(mean 280 ÷ 400 nm)	<b>0,01%</b>					
<b>TSUVA</b>	(mean 315 ÷ 400 nm)	<b>0,01%</b>	(0,5 Tv)	7,8%	<b>PASS</b>	<b>Qgreen</b>	<b>1,00</b> (min. = 0,60)
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,01%</b>	(0,5 Tv)	0,78%	<b>PASS</b>	<b>Qyellow</b>	<b>1,01</b> (min. = 0,80)
<b>TSUVB1</b>	(peak max 315 ÷ 350 nm)	<b>0,01%</b>	(max 0,5 Tv)	7,8%	<b>PASS</b>	<b>Qred</b>	<b>1,05</b> (min. = 0,80)
<b>TVIS</b>	(peak min 450 ÷ 650 nm)	<b>11,85%</b>	(min 0,2 Tv)	3,12%	<b>PASS</b>	<b>Qblue</b>	<b>0,94</b> (min. = 0,70)

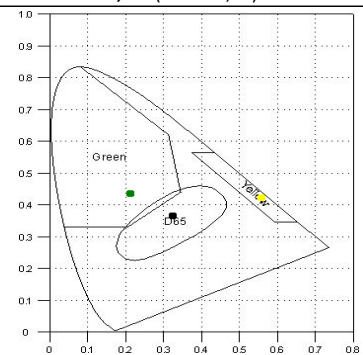


**Spectral Data:**

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,01	300	0,01	390	0,02	490	14,49	590	12,02	690	15,66	800	14,81
210	0,01	310	0,01	400	0,13	500	14,84	600	16,74	700	15,81	850	15,03
220	0,01	320	0,01	410	2,55	510	14,56	610	17,73	710	15,63	900	10,37
230	0,01	330	0,01	420	6,88	520	12,00	620	17,73	720	15,42	950	7,90
240	0,01	340	0,01	430	9,18	530	14,83	630	16,57	730	14,76	1000	6,39
250	0,01	350	0,01	440	10,84	540	17,95	640	15,87	740	11,65	1050	5,78
260	0,01	360	0,01	450	11,86	550	18,99	650	15,15	750	12,53	1100	6,08
270	0,01	370	0,01	460	12,71	560	19,79	660	15,11	760	15,34	1150	0,00
280	0,01	380	0,02	470	13,45	570	13,04	670	15,35	770	17,09	1200	0,00
290	0,01			480	14,04	580	12,84	680	15,46	780	17,83		

Data subject to change without notice

**D65 :** x=0,3328  
y=0,3674  
**C :** x=0,3306  
y=0,3557



*De Luca Alfonso*  
Responsible Alfonso De Luca