


<b>OPTICAL GLASS LENS</b>		<b>Polarized glass lenses</b>		<b>CUSTOMER</b>		<b>BARBERINI SPA</b>	
<b>PolaACE /GS.32% - Deg.Grey Nero Plz.(centre)</b>				<b>TECHNICAL DATA SHEET N.</b>		<b>NO2710</b>	
				<b>GLASS CODE:</b>		<b>160803CKDN</b>	
<b>Base: 6</b>		<b>Coating: Deg.Grey Nero Plz.(centre)</b>		<b>DATE:</b>		<b>17/02/2016</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>14,55%</b>					
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>15,69%</b>					
<b>TSIR</b>	(mean 780 ÷ 2000 nm)		(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)	7,27%	<b>PASS</b>		
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,01%</b>	(max 1%)	0,14%	<b>PASS</b>		
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>7,34%</b>	(min 0,2 Tv)	2,91%	<b>PASS</b>		
	<b>Qgreen</b>	<b>1,01</b>	(min. = 0,60)		<b>PASS</b>		
	<b>Qyellow</b>	<b>0,95</b>	(min. = 0,60)		<b>PASS</b>		
	<b>Qred</b>	<b>1,05</b>	(min. = 0,80)		<b>PASS</b>		
	<b>Qblue</b>	<b>1,14</b>	(min. = 0,60)		<b>PASS</b>		

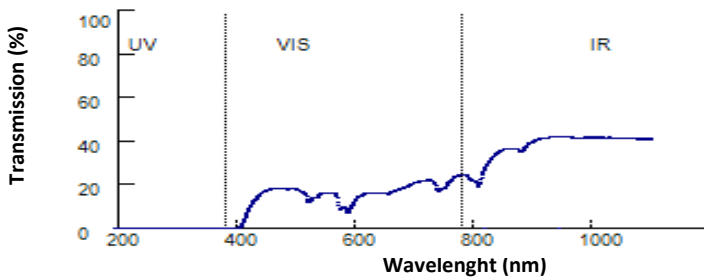
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

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

				Primary function and shade general purpose			
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>14,55%</b>	(8<=Tv<40)	<b>PASS</b>		Medium to dark	
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>15,69%</b>					
<b>TSUVB</b>	(mean 280 ÷ 315 nm)					Color limits:	
	normal use	<b>0,01%</b>	(<=1/8Tv)	1,81%	<b>PASS</b>	Chromaticity (D65)	<b>PASS</b>
	high and prolonged exposure	<b>0,01%</b>	(max 1%)	0,14%	<b>PASS</b>	Yellow traffic signals	<b>x=0,5825 y=0,4161</b> <b>PASS</b>
<b>TSUVA</b>	(mean 315 ÷ 380 nm)					Green traffic signals	<b>x=0,1927 y=0,3783</b> <b>PASS</b>
	normal use	<b>0,01%</b>	(max Tv)	14,55%	<b>PASS</b>	Traffic signal transmittance:	
	high and prolonged exposure	<b>0,01%</b>	(max 0.5 TV)	7,27%	<b>PASS</b>	Red signal	<b>16,52%</b> (>= 8%) <b>PASS</b>
<b>TSIR</b>	(mean 780 ÷ 1400 nm)		Not Calculated			Yellow signal	<b>13,82%</b> (>= 6%) <b>PASS</b>
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>7,35%</b>	(min 0,2 TV)	2,91%	<b>PASS</b>	Green signal	<b>14,96%</b> (>= 6%) <b>PASS</b>

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

<b>TV</b>	(mean 380 ÷ 780 nm)	<b>14,55%</b>					
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>15,69%</b>					
<b>TSIR</b>	(mean 780 ÷ 2000 nm)		Not Calculated			Filter Category: <b>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)	7,27%	<b>PASS</b>	Not Suitable for driving at night	
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,01%</b>	(0,5 Tv)	0,72%	<b>PASS</b>	<b>Qgreen</b>	<b>1,02</b> (min. = 0,60) <b>PASS</b>
<b>TSUVB1</b>	(peak max 315 ÷ 350 nm)	<b>0,01%</b>	(max 0,5 Tv)	7,27%	<b>PASS</b>	<b>Qyellow</b>	<b>0,94</b> (min. = 0,80) <b>PASS</b>
<b>TVIS</b>	(peak min 450 ÷ 650 nm)	<b>9,60%</b>	(min 0,2 TV)	2,91%	<b>PASS</b>	<b>Qred</b>	<b>1,04</b> (min. = 0,80) <b>PASS</b>
						<b>Qblue</b>	<b>1,11</b> (min. = 0,70) <b>PASS</b>

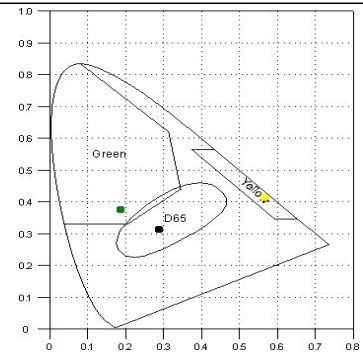


**Spectral Data:**

UV				VIS								IR			
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,01	300	0,01	390	0,02	490	18,40	590	9,61	690	20,09	800	21,93	1300	0,00
210	0,01	310	0,01	400	0,17	500	17,96	600	13,75	700	21,26	850	36,54	1400	0,00
220	0,01	320	0,01	410	3,80	510	16,49	610	15,32	710	21,90	900	40,24	1500	0,00
230	0,01	330	0,01	420	10,06	520	12,17	620	16,33	720	22,28	950	42,24	1600	0,00
240	0,01	340	0,01	430	13,61	530	14,25	630	16,20	730	21,76	1000	41,96	1700	0,00
250	0,01	350	0,01	440	16,46	540	16,24	640	16,29	740	17,34	1050	41,74	1800	0,00
260	0,01	360	0,01	450	17,68	550	16,57	650	16,14	750	18,56	1100	41,30	1900	0,00
270	0,01	370	0,01	460	18,35	560	16,67	660	16,81	760	22,25	1150	0,00	2000	0,00
280	0,01	380	0,01	470	18,78	570	10,58	670	17,86	770	24,18	1200	0,00		
290	0,01			480	18,72	580	10,23	680	18,88	780	24,90				

Data subject to change without notice

**D65 :** x=0,2952  
y=0,3145  
**C :** x=0,2925  
y=0,3017



*De Luca Alfonso*  
Responsible Alfonso De Luca