


<b>OPTICAL GLASS LENS</b>		<b>Polarized glass lenses</b>		<b>CUSTOMER</b>		<b>BARBERINI SPA</b>	
<b>PolaACE /GS.32% - Deg.Brown Plz.(centre)</b>				<b>TECHNICAL DATA SHEET N.</b>		<b>NO2713</b>	
				<b>GLASS CODE:</b>		<b>160806CKDP</b>	
<b>Base: 6</b>		<b>Coating: Deg.Brown 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>12,12%</b>					
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>9,82%</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)	6,06%	<b>PASS</b>		
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,01%</b>	(max 1%)	0,12%	<b>PASS</b>		
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>6,84%</b>	(min 0,2 Tv)	2,42%	<b>PASS</b>		
	<b>Qgreen</b>	<b>0,98</b>	(min. = 0,60)		<b>PASS</b>		
	<b>Qyellow</b>	<b>1,03</b>	(min. = 0,60)		<b>PASS</b>		
	<b>Qred</b>	<b>1,23</b>	(min. = 0,80)		<b>PASS</b>		
	<b>Qblue</b>	<b>1,01</b>	(min. = 0,60)		<b>PASS</b>		

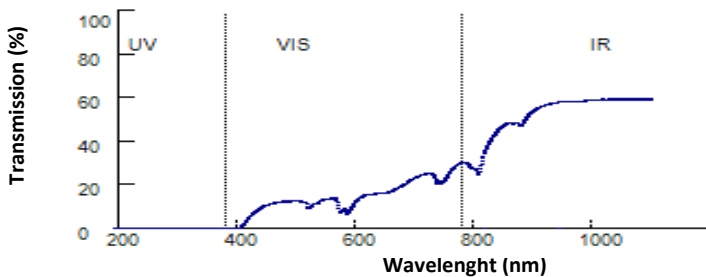
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

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

				Primary function and shade general purpose			
				Medium to dark			
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>12,14%</b>	(8<=Tv<40)		<b>PASS</b>		
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>9,82%</b>					
<b>TSUVB</b>	(mean 280 ÷ 315 nm)						
				Color limits:			
				Chromaticity (D65)		<b>PASS</b>	
				Yellow traffic signals		<b>x=0,5919 y=0,4068</b>	
				Green traffic signals		<b>x=0,2072 y=0,4108</b>	
<b>TSUVA</b>	(mean 315 ÷ 380 nm)			Traffic signal transmittance:			
				Red signal		<b>16,50% (&gt;= 8%)</b>	
				Yellow signal		<b>12,59% (&gt;= 6%)</b>	
<b>TSIR</b>	(mean 780 ÷ 1400 nm)		Not Calculated	Green signal		<b>11,85% (&gt;= 6%)</b>	
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>6,85%</b>	(min 0,2 TV)	2,42%	<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>12,12%</b>					
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>9,82%</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)	6,06%	<b>PASS</b>	<b>Qgreen</b>	<b>0,97</b> (min. = 0,60) <b>PASS</b>
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,01%</b>	(0,5 Tv)	0,6%	<b>PASS</b>	<b>Qyellow</b>	<b>1,03</b> (min. = 0,80) <b>PASS</b>
<b>TSUVB1</b>	(peak max 315 ÷ 350 nm)	<b>0,02%</b>	(max 0,5 Tv)	6,06%	<b>PASS</b>	<b>Qred</b>	<b>1,22</b> (min. = 0,80) <b>PASS</b>
<b>TVIS</b>	(peak min 450 ÷ 650 nm)	<b>8,93%</b>	(min 0,2 Tv)	2,42%	<b>PASS</b>	<b>Qblue</b>	<b>1,03</b> (min. = 0,70) <b>PASS</b>

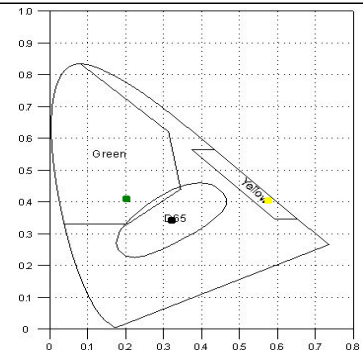


**Spectral Data:**

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,01	300	0,01	390	0,02	490	12,84	590	8,94	690	21,85	800	27,65
210	0,01	310	0,01	400	0,10	500	12,92	600	12,80	700	23,47	850	47,56
220	0,01	320	0,01	410	2,00	510	12,24	610	14,46	710	24,56	900	54,24
230	0,01	330	0,01	420	5,55	520	9,41	620	15,69	720	25,35	950	58,37
240	0,01	340	0,01	430	7,86	530	11,20	630	15,91	730	25,11	1000	59,27
250	0,01	350	0,01	440	9,84	540	13,00	640	16,28	740	20,49	1050	59,50
260	0,01	360	0,01	450	10,94	550	13,56	650	16,43	750	22,12	1100	59,60
270	0,01	370	0,01	460	11,71	560	13,98	660	17,39	760	26,60	1150	0,00
280	0,01	380	0,01	470	12,36	570	9,32	670	18,82	770	29,19	1200	0,00
290	0,01			480	12,71	580	9,28	680	20,21	780	30,42		

Data subject to change without notice

**D65 :** x=0,3314  
y=0,3437  
**C :** x=0,3290  
y=0,3321



*De Luca Alfonso*  
Responsible Alfonso De Luca