

<b>OPTICAL GLASS LENS</b>		<b>H2F Photochromic polarized glass lenses</b>		<b>13</b>	<b>CUSTOMER</b>		<b>BARBERINI SPA</b>	
<b>PhotoPolaGold H2F GIALLO B3/Br.27% - AR 99 cc</b>					<b>TECHNICAL DATA SHEET N. HP439</b>			
Base:	<b>6</b>	Coating:	<b>AR 99 cc</b>			GLASS CODE:	<b>HX01B5c0</b>	
Thickness:	<b>1.8 mm</b>	Polarization Ratio:	<b>&gt; 25</b>	(min 8:1)		DATE:	<b>28/10/2015</b>	
Hardening:	<b>Chemically</b>	Degree of Polarization:	<b>0,99</b>			Photochromic Ratio:	<b>PASS 1,56%</b>	(min 1.25)
Optical Centre:	<b>Centre</b>	Reflection factor:	<b>PASS 1,47%</b>	(max 2.5%)		Photochromic Interval:	<b>0,35</b>	

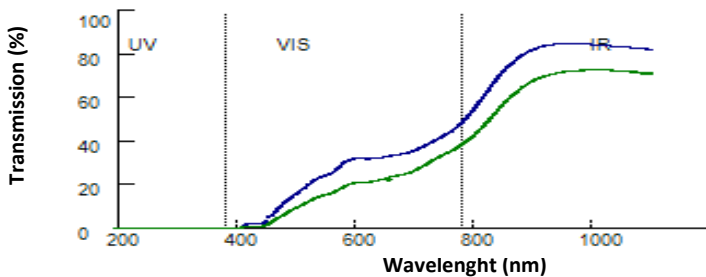
**This sunglare filter is conform to the following International Norm:**

		Light			Dark		
		Filter Category: <b>2</b>	Medium tint		Filter Category: <b>3</b>	Dark tint	
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>25,37%</b>			<b>16,25%</b>		
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>5,92%</b>			<b>3,05%</b>		
<b>TSIR</b>	(mean 780 ÷ 2000 nm)						
<b>TSUV</b>	(mean 280 ÷ 380 nm)	<b>0,00%</b>			<b>0,00%</b>		
<b>TSUVA</b>	(mean 315 ÷ 380 nm)	<b>0,00%</b>	(max 0,5 TV)	12,68%	<b>0,00%</b>	(max 0,5 Tv)	8,12%
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,00%</b>	(max 0,05 TV)	1,26%	<b>0,00%</b>	(max 0,05 TV)	0,81%
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>11,15%</b>	(min 0,2 Tv)	5,07%	<b>6,17%</b>	(min 0,2 Tv)	3,25%
	<b>Qgreen</b>	<b>0,93</b>	(min. = 0,60)		<b>0,92</b>	(min. = 0,60)	
	<b>Qyellow</b>	<b>1,15</b>	(min. = 0,60)		<b>1,17</b>	(min. = 0,60)	
	<b>Qred</b>	<b>1,27</b>	(min. = 0,80)		<b>1,34</b>	(min. = 0,80)	
	<b>Qblue</b>	<b>0,69</b>	(min. = 0,60)		<b>0,66</b>	(min. = 0,60)	

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

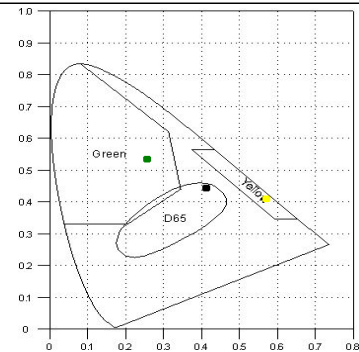
		American Norm: ANSI Z80.3-2010		Primary function and shade general purpose			
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>25,43%</b>	(8<=Tv<40)	<b>PASS</b>		Medium to dark	
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>5,92%</b>					
<b>TSUVB</b>	(mean 280 ÷ 315 nm)						
	normal use	<b>0,00%</b>	(<=1/8Tv)	3,17%	<b>PASS</b>	Color limits:	
	high and prolonged exposure	<b>0,00%</b>	(max 1%)	0,25%	<b>PASS</b>	Chromaticity (D65)	<b>PASS</b>
<b>TSUVA</b>	(mean 315 ÷ 380 nm)					Yellow traffic signals	<b>x=0,5877 y=0,4111</b>
	normal use	<b>0,00%</b>	(max Tv)	25,43%	<b>PASS</b>	Green traffic signals	<b>x=0,2646 y=0,5363</b>
	high and prolonged exposure	<b>0,00%</b>	(max 0.5 TV)	12,71%	<b>PASS</b>	Traffic signal transmittance:	
<b>TSIR</b>	(mean 780 ÷ 1400 nm)		Not Calculated			Red signal	<b>32,74%</b> (>= 8%)
<b>TVIS</b>	(peak min 475 ÷ 650 nm)	<b>11,16%</b>	(min 0,2 TV)	5,07%	<b>PASS</b>	Yellow signal	<b>29,86%</b> (>= 6%)
						Green signal	<b>22,71%</b> (>= 6%)

		Australian Norm: AS/NZS 1067:2009		Filter Category: <b>2</b>			
<b>TV</b>	(mean 380 ÷ 780 nm)	<b>25,37%</b>				Medium sunglare reduction	
<b>TSB</b>	(mean 380 ÷ 500 nm)	<b>5,92%</b>				Not Suitable for driving at night	
<b>TSIR</b>	(mean 780 ÷ 2000 nm)		Not Calculated				
<b>TSUV</b>	(mean 280 ÷ 400 nm)	<b>0,00%</b>					
<b>TSUVA</b>	(mean 315 ÷ 400 nm)	<b>0,00%</b>	(max Tv)	25,37%	<b>PASS</b>	<b>Qgreen</b>	<b>0,89</b> (min. = 0,60)
<b>TSUVB</b>	(mean 280 ÷ 315 nm)	<b>0,00%</b>	(max Tv)	1,26%	<b>PASS</b>	<b>Qyellow</b>	<b>1,17</b> (min. = 0,80)
<b>TSUVB1</b>	(peak max 315 ÷ 350 nm)	<b>0,00%</b>	(max 0,5 Tv)	12,68%	<b>PASS</b>	<b>Qred</b>	<b>1,27</b> (min. = 0,80)
<b>TVIS</b>	(peak min 450 ÷ 650 nm)	<b>5,21%</b>	(min 0,2 TV)	5,07%	<b>PASS</b>	<b>Qblue</b>	<b>0,79</b> (min. = 0,70)



**D65 :** x=0,4249  
y=0,4448

**C :** x=0,4262  
y=0,4382



**Spectral Data:**

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	14,54	590	31,87	690	35,13	800	55,37
210	0,00	310	0,00	400	0,03	500	16,48	600	32,28	700	36,14	850	72,90
220	0,00	320	0,00	410	1,19	510	18,39	610	32,24	710	37,44	900	82,53
230	0,00	330	0,00	420	2,57	520	20,45	620	32,13	720	38,82	950	85,11
240	0,00	340	0,00	430	2,43	530	22,47	630	32,19	730	40,22	1000	84,69
250	0,00	350	0,00	440	2,46	540	23,78	640	32,58	740	41,58	1050	83,60
260	0,00	360	0,00	450	5,21	550	24,62	650	33,16	750	43,10	1100	82,46
270	0,00	370	0,00	460	7,08	560	25,94	660	33,61	760	44,76	1150	81,09
280	0,00	380	0,00	470	9,88	570	28,15	670	34,05	770	46,83	1200	79,55
290	0,00			480	12,35	580	30,47	680	34,55	780	49,23		

Data subject to change without notice

*De Luca Alfonso*  
Responsible Alfonso De Luca