

OPTICAL GLASS LENS		H2F Photochromic glass lenses		76	CUSTOMER		BARBERINI SPA	
PhotoGrey Extra - H2f Giallo B 23					TECHNICAL DATA SHEET N. HF258			
Base:	6	Coating:	H2f Giallo B 23			GLASS CODE:	75H306c0	
Thickness:	1.9 mm	Polarization Ratio:	0,00%	(min 4:1)		DATE:	23/07/2015	
Hardening:	Chemically	Degree of Polarization:	0,00			Photochromic Ratio:	PASS	2,71% (min 1.25)
Optical Centre:	Centre	Reflection factor:				Photochromic Interval:	0,63	

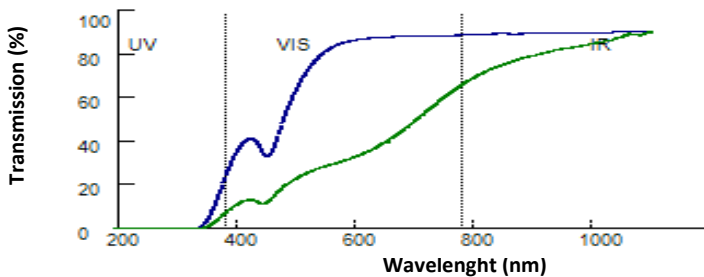
This sunglare filter is conform to the following International Norm:

European Norm: ISO 12312-1 2013		Light		Dark			
		Filter Category: 1	Light tint	Filter Category: 2	Medium tint		
TV	(mean 380 ÷ 780 nm)	79,54%		29,26%			
TSB	(mean 380 ÷ 500 nm)	41,15%		14,63%			
TSIR	(mean 780 ÷ 2000 nm)						
TSUV	(mean 280 ÷ 380 nm)	3,42%		0,99%			
TSUVA	(mean 315 ÷ 380 nm)	5,31%	(max Tv) 79,54%	PASS	1,54%	(max Tv) 29,26%	PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV) 3,97%	PASS	0,00%	(max 0,05 TV) 1,46%	PASS
TVIS	(peak min 475 ÷ 650 nm)	49,09%	(min 0,2 Tv) 15,90%	PASS	18,88%	(min 0,2 Tv) 5,85%	PASS
	Qgreen	0,98	(min. = 0,60)	PASS	0,95	(min. = 0,60)	PASS
	Qyellow	1,06	(min. = 0,60)	PASS	1,10	(min. = 0,60)	PASS
	Qred	1,09	(min. = 0,80)	PASS	1,23	(min. = 0,80)	PASS
	Qblue	0,81	(min. = 0,60)	PASS	0,82	(min. = 0,60)	PASS

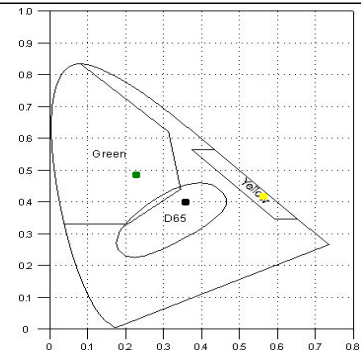
Suitable for driving and road use - Suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010		Primary function and shade cosmetic		
TV	(mean 380 ÷ 780 nm)	79,56% (40<=Tv<100)	PASS Light	
TSB	(mean 380 ÷ 500 nm)	41,15%		
TSUVB	(mean 280 ÷ 315 nm)		Color limits:	
	normal use	0,00% (<=1/8Tv) 9,94%	PASS Chromaticity (D65)	PASS
	high and prolonged exposure	0,00% (max 1%) 0,79%	PASS Yellow traffic signals x=0,5791 y=0,4196	PASS
TSUVA	(mean 315 ÷ 380 nm)		PASS Green traffic signals x=0,2353 y=0,4857	PASS
	normal use	7,51% (max Tv) 79,56%	PASS Traffic signal transmittance:	
	high and prolonged exposure	7,51% (max 0.5 TV) 39,78%	PASS Red signal 87,90% (>= 8%)	PASS
TSIR	(mean 780 ÷ 1400 nm)	Not Calculated	PASS Yellow signal 85,56% (>= 6%)	PASS
TVIS	(peak min 475 ÷ 650 nm)	49,09% (min 0,2 TV) 15,90%	PASS Green signal 76,45% (>= 6%)	PASS

Australian Norm: AS/NZS 1067:2009		Filter Category: 1		
TV	(mean 380 ÷ 780 nm)	79,54%	Limited sunglare reduction	
TSB	(mean 380 ÷ 500 nm)	41,15%	Not Suitable for driving at night	
TSIR	(mean 780 ÷ 2000 nm)	Not Calculated		
TSUV	(mean 280 ÷ 400 nm)	5,49%		
TSUVA	(mean 315 ÷ 400 nm)	8,19% (max Tv) 79,54%	PASS Qgreen 0,96 (min. = 0,60)	PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00% (max Tv) 3,97%	PASS Qyellow 1,07 (min. = 0,80)	PASS
TSUVB1	(peak max 315 ÷ 350 nm)	5,06% (max Tv) 79,54%	PASS Qred 1,09 (min. = 0,80)	PASS
TVIS	(peak min 450 ÷ 650 nm)	33,16% (min 0,2 Tv) 15,90%	PASS Qblue 0,88 (min. = 0,70)	PASS



D65 : x=0,3684  
y=0,4013  
C : x=0,3675  
y=0,3907



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	31,54	490	59,37	590	86,31	690	88,51	800	89,13
210	0,00	310	0,00	400	36,54	500	65,00	600	86,82	700	88,59	850	89,74
220	0,00	320	0,00	410	39,98	510	69,79	610	87,20	710	88,65	900	89,76
230	0,00	330	0,18	420	41,55	520	73,85	620	87,55	720	88,68	950	89,99
240	0,00	340	1,50	430	40,23	530	77,27	630	87,79	730	88,74	1000	90,22
250	0,00	350	5,06	440	35,80	540	79,98	640	87,95	740	88,79	1050	90,45
260	0,00	360	10,84	450	33,17	550	82,01	650	88,16	750	88,83	1100	90,57
270	0,00	370	18,01	460	37,22	560	83,56	660	88,25	760	88,88	1150	90,66
280	0,00	380	25,22	470	45,11	570	84,75	670	88,34	770	88,96	1200	90,80
290	0,00			480	52,81	580	85,61	680	88,49	780	89,00		

Data subject to change without notice

*De Luca Alfonso*  
Responsible Alfonso De Luca