

OPTICAL GLASS LENS		H2F Photochromic glass lenses		16	CUSTOMER	BARBERINI SPA
XDF DARK Grey - H2F Grigio B 19					TECHNICAL DATA SHEET N.	HF309
Base:	6	Coating:	H2F Grigio B 19		GLASS CODE:	92HN06C0
Thickness:	1.9 mm	Polarization Ratio:	0,00%	(min 8:1)	DATE:	24/03/2016
Hardening:	Chemically	Degree of Polarization:	0,00		Photochromic Ratio:	PASS 2,92% (min 1.25)
Optical Centre:	Centre	Reflection factor:			Photochromic Interval:	0,65

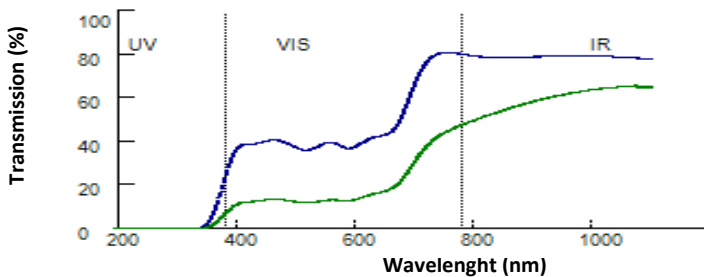
This sunglare filter is conform to the following International Norm:

European Norm: ISO 12312-1 2013		Light			Dark		
		Filter Category: 2	Medium tint		Filter Category: 3	Dark tint	
TV	(mean 380 ÷ 780 nm)	38,50%			13,17%		
TSB	(mean 380 ÷ 500 nm)	39,72%			13,00%		
TSIR	(mean 780 ÷ 2000 nm)		(max TV)			(max TV)	
TSUV	(mean 280 ÷ 380 nm)	2,92%			0,86%		
TSUVA	(mean 315 ÷ 380 nm)	4,52%	(max 0,5 TV)	19,25%	PASS	1,32%	(max 0,5 Tv) 6,58% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	1,92%	PASS	0,03%	(max 0,05 TV) 0,65% PASS
TVIS	(peak min 475 ÷ 650 nm)	36,20%	(min 0,2 Tv)	7,70%	PASS	11,90%	(min 0,2 Tv) 2,63% PASS
	Qgreen	0,99	(min. = 0,60)		PASS	0,96	(min. = 0,60) PASS
	Qyellow	1,01	(min. = 0,60)		PASS	1,05	(min. = 0,60) PASS
	Qred	1,07	(min. = 0,80)		PASS	1,18	(min. = 0,80) PASS
	Qblue	1,00	(min. = 0,60)		PASS	0,99	(min. = 0,60) PASS

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					
TV	(mean 380 ÷ 780 nm)	38,54%	(8<=Tv<40)		PASS	Medium to dark	
TSB	(mean 380 ÷ 500 nm)	39,72%					
TSUVB	(mean 280 ÷ 315 nm)					Color limits:	
	normal use	0,00%	(<=1/8Tv)	4,81%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,38%	PASS	Yellow traffic signals	x=0,5808 y=0,4179 PASS
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	x=0,2080 y=0,3915 PASS
	normal use	6,49%	(max Tv)	38,54%	PASS	Traffic signal transmittance:	
	high and prolonged exposure	6,49%	(max 0.5 TV)	19,27%	PASS	Red signal	43,41% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)		Not Calculated			Yellow signal	39,34% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	36,20%	(min 0,2 TV)	7,70%	PASS	Green signal	37,97% (>= 6%) PASS

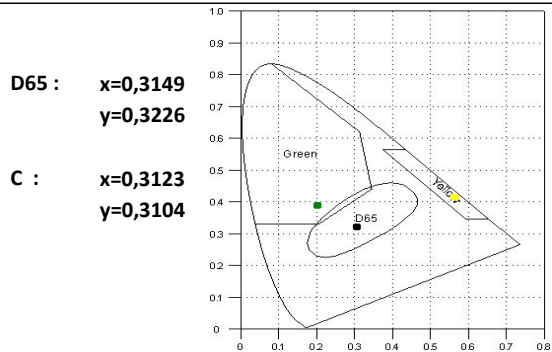
Australian Norm: AS/NZS 1067:2009		Filter Category: 2					
TV	(mean 380 ÷ 780 nm)	38,50%				Medium sunglare reduction	
TSB	(mean 380 ÷ 500 nm)	39,72%				Not Suitable for driving at night	
TSIR	(mean 780 ÷ 2000 nm)		Not Calculated				
TSUV	(mean 280 ÷ 400 nm)	5,11%				Qgreen	0,98 (min. = 0,60) PASS
TSUVA	(mean 315 ÷ 400 nm)	7,62%	(max Tv)	38,5%	PASS	Qyellow	1,02 (min. = 0,80) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	1,92%	PASS	Qred	1,06 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	3,19%	(max 0,5 Tv)	19,25%	PASS	Qblue	1,01 (min. = 0,70) PASS
TVIS	(peak min 450 ÷ 650 nm)	36,29%	(min 0,2 TV)	7,70%	PASS		



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	33,05	490	38,39	590	36,94	690	60,46	800	79,43
210	0,00	310	0,00	400	37,40	500	37,13	600	37,86	700	67,36	850	78,56
220	0,00	320	0,00	410	38,80	510	36,30	610	39,50	710	73,03	900	79,11
230	0,00	330	0,05	420	38,94	520	36,33	620	41,02	720	76,91	950	79,38
240	0,00	340	0,68	430	39,14	530	37,20	630	42,07	730	79,24	1000	79,42
250	0,00	350	3,19	440	39,75	540	38,49	640	42,57	740	80,51	1050	78,93
260	0,00	360	8,57	450	40,44	550	39,54	650	43,20	750	80,99	1100	77,93
270	0,00	370	16,53	460	40,78	560	39,54	660	44,76	760	80,97	1150	76,84
280	0,00	380	25,43	470	40,50	570	38,48	670	48,03	770	80,68	1200	75,87
290	0,00			480	39,62	580	37,26	680	53,53	780	80,21		

Data subject to change without notice



*De Luca Alfonso*  
Responsible Alfonso De Luca