

OPTICAL GLASS LENS		● H2F Photochromic glass lenses		12		CUSTOMER		BARBERINI SPA	
Xdf Dark Grey - H2F Viola/Blu						TECHNICAL DATA SHEET N.		HF263	
						GLASS CODE:		92HO06C0	
Base: 6		Coating: H2F Viola/Blu		(min 8:1)		DATE:		07/08/2015	
Thickness: 1.9 mm		Polarization Ratio: 0,00%				Photochromic Ratio: PASS		2,68% (min 1.25)	
Hardening: Chemically		Degree of Polarization: 0,00				Photochromic Interval:		0,62	
Optical Centre: Centre		Reflection factor:							

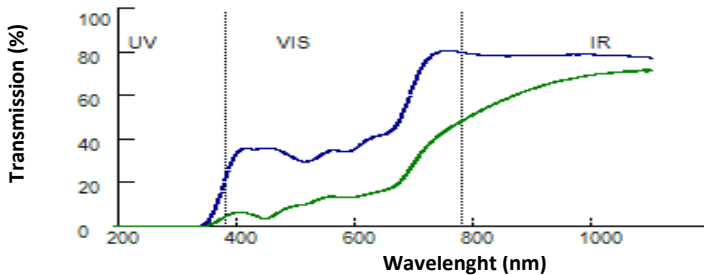
This sunglare filter is conform to the following International Norm:

European Norm: ISO 12312-1 2013		Light			Dark		
		Filter Category: 2	Medium tint		Filter Category: 3	Dark tint	
TV	(mean 380 ÷ 780 nm)	34,34%			12,77%		
TSB	(mean 380 ÷ 500 nm)	35,27%	(max TV)		5,64%	(max TV)	
TSIR	(mean 780 ÷ 2000 nm)						
TSUV	(mean 280 ÷ 380 nm)	2,68%			0,60%		
TSUVA	(mean 315 ÷ 380 nm)	4,15%	(max 0,5 TV)	17,17%	PASS 0,94%	(max 0,5 Tv)	6,38% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	1,71%	PASS 0,00%	(max 0,05 TV)	0,63% PASS
TVIS	(peak min 475 ÷ 650 nm)	29,94%	(min 0,2 Tv)	6,86%	PASS 7,63%	(min 0,2 Tv)	2,55% PASS
	Qgreen	0,96	(min. = 0,60)		PASS 0,97	(min. = 0,60)	PASS
	Qyellow	1,05	(min. = 0,60)		PASS 1,10	(min. = 0,60)	PASS
	Qred	1,16	(min. = 0,80)		PASS 1,21	(min. = 0,80)	PASS
	Qblue	0,96	(min. = 0,60)		PASS 0,80	(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)	34,43%	(8<=Tv<40)		PASS	Medium to dark	
TSB	(mean 380 ÷ 500 nm)	35,27%					
TSUVB	(mean 280 ÷ 315 nm)				<i>Color limits:</i>		
	normal use	0,00%	(<=1/8Tv)	4,30%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,34%	PASS	Yellow traffic signals	x=0,5864 y=0,4124 PASS
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	x=0,2130 y=0,3863 PASS
	normal use	5,96%	(max Tv)	34,43%	PASS	<i>Traffic signal transmittance:</i>	
	high and prolonged exposure	5,96%	(max 0.5 TV)	17,21%	PASS	Red signal	42,73% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)		Not Calculated			Yellow signal	36,73% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	29,94%	(min 0,2 TV)	6,86%	PASS	Green signal	32,74% (>= 6%) PASS

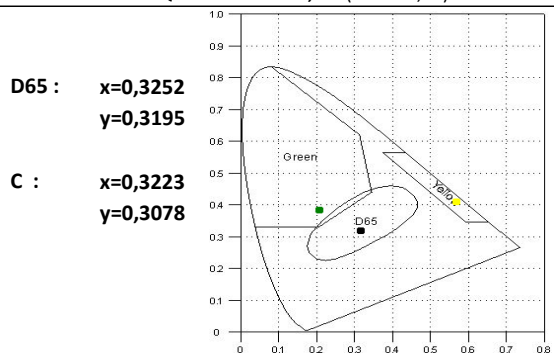
Australian Norm: AS/NZS 1067:2009		Filter Category: 2					
TV	(mean 380 ÷ 780 nm)	34,34%				Medium sunglare reduction	
TSB	(mean 380 ÷ 500 nm)	35,27%				Not Suitable for driving at night	
TSIR	(mean 780 ÷ 2000 nm)		Not Calculated				
TSUV	(mean 280 ÷ 400 nm)	4,70%				Qgreen	0,95 (min. = 0,60) PASS
TSUVA	(mean 315 ÷ 400 nm)	7,01%	(max Tv)	34,34%	PASS	Qyellow	1,07 (min. = 0,80) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	1,71%	PASS	Qred	1,16 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	2,91%	(max 0,5 Tv)	17,17%	PASS	Qblue	0,99 (min. = 0,70) PASS
TVIS	(peak min 450 ÷ 650 nm)	29,97%	(min 0,2 TV)	6,86%	PASS		



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	30,56	490	32,19	590	34,82	690	60,17	800	79,31
210	0,00	310	0,00	400	34,62	500	30,79	600	36,23	700	67,12	850	78,44
220	0,00	320	0,00	410	35,81	510	29,98	610	38,22	710	72,87	900	78,82
230	0,00	330	0,04	420	35,74	520	30,12	620	40,11	720	76,80	950	79,08
240	0,00	340	0,61	430	35,63	530	31,18	630	41,32	730	79,15	1000	79,14
250	0,00	350	2,91	440	35,84	540	32,80	640	41,95	740	80,44	1050	78,63
260	0,00	360	7,85	450	36,05	550	34,37	650	42,67	750	80,91	1100	77,67
270	0,00	370	15,16	460	35,86	560	35,13	660	44,30	760	80,89	1150	76,54
280	0,00	380	23,45	470	35,06	570	34,95	670	47,63	770	80,56	1200	75,57
290	0,00			480	33,75	580	34,52	680	53,15	780	80,11		

Data subject to change without notice



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