


OPTICAL GLASS LENS		H2F Standard glass lenses		5	CUSTOMER	BARBERINI SPA
PolaACE IR/Br.27% - Mr.FlashTH./AR cc					TECHNICAL DATA SHEET N.	HN158
Base:	6	Coating:	Mr.FlashTH./AR cc		GLASS CODE:	CGM5B5R0
Thickness:	1.8 mm	Polarization Ratio:	> 25	(min 8:1)	DATE:	11/05/2016
Hardening:	Chemically	Degree of Polarization:	0,99		Photochromic Ratio:	0,00%
Optical Centre:	Centre	Reflection factor:	PASS 1,47%	(max 2.5%)	Photochromic Interval:	0,00

This sunglare filter is conform to the following International Norm:

European Norm: ISO 12312-1 2013

	Filter Category:	3	Dark tint	
				
TV	(mean 380 ÷ 780 nm)	8,24%		
TSB	(mean 380 ÷ 500 nm)	6,28%		
TSIR	(mean 780 ÷ 2000 nm)	6,65%	(max TV)	IR PROTECTION
TSUV	(mean 280 ÷ 380 nm)	0,00%		
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	4,12% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 1%)	0,08% PASS
TVIS	(peak min 475 ÷ 650 nm)	4,59%	(min 0,2 Tv)	1,64% PASS
	Qgreen	1,02	(min. = 0,60)	PASS
	Qyellow	0,99	(min. = 0,60)	PASS
	Qred	1,02	(min. = 0,80)	PASS
	Qblue	0,96	(min. = 0,60)	PASS

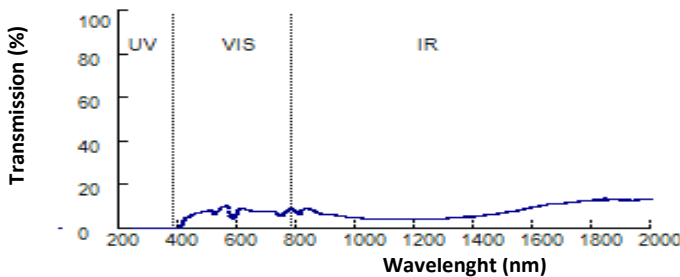
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose
TV	(mean 380 ÷ 780 nm)	8,24%	(8<=Tv<40)	PASS Medium to dark
TSB	(mean 380 ÷ 500 nm)	6,28%		
TSUVB	(mean 280 ÷ 315 nm)			<i>Color limits:</i>
	normal use	0,00%	(<=1/8Tv)	1,03% PASS Chromaticity (D65) PASS
	high and prolonged exposure	0,00%	(max 1%)	0,08% PASS Yellow traffic signals x=0,5734 y=0,4251 PASS
TSUVA	(mean 315 ÷ 380 nm)			PASS Green traffic signals x=0,2126 y=0,4304 PASS
	normal use	0,00%	(max Tv)	8,24% PASS <i>Traffic signal transmittance:</i>
	high and prolonged exposure	0,00%	(max 0.5 TV)	4,12% PASS Red signal 8,46% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	6,03%	No requirement	Yellow signal 8,24% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	4,60%	(min 0,2 TV)	1,64% PASS Green signal 8,32% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

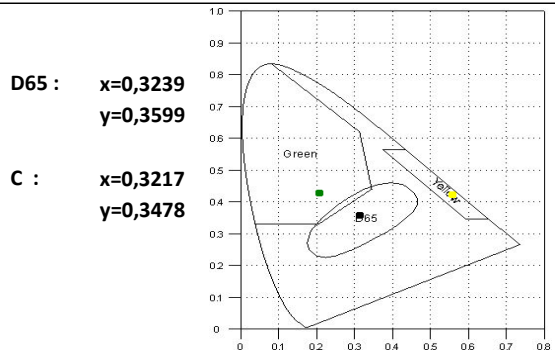
TV	(mean 380 ÷ 780 nm)	8,24%			Filter Category: 3
TSB	(mean 380 ÷ 500 nm)	6,28%			High sunglare reduction
TSIR	(mean 780 ÷ 2000 nm)	6,65%			Not Suitable for driving at night
TSUV	(mean 280 ÷ 400 nm)	0,00%			
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(0,5 Tv)	4,12%	PASS Qgreen 1,01 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(0,5 Tv)	0,41%	PASS Qyellow 0,99 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	4,12%	PASS Qred 1,02 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	5,92%	(min 0,2 Tv)	1,64%	PASS Qblue 0,97 (min. = 0,70) PASS



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	8,09	590	5,93	690	8,08	800	7,63
210	0,00	310	0,00	400	0,11	500	8,30	600	8,51	700	8,13	850	8,60
220	0,00	320	0,00	410	1,95	510	8,10	610	9,10	710	8,01	900	6,79
230	0,00	330	0,00	420	4,32	520	6,42	620	9,21	720	7,82	950	5,81
240	0,00	340	0,00	430	5,39	530	7,92	630	8,69	730	7,41	1000	5,01
250	0,00	350	0,00	440	6,19	540	9,59	640	8,27	740	5,63	1050	4,58
260	0,00	360	0,00	450	6,77	550	10,08	650	7,83	750	6,03	1100	4,32
270	0,00	370	0,00	460	7,18	560	10,43	660	7,82	760	7,54	1150	4,19
280	0,00	380	0,00	470	7,47	570	7,00	670	7,94	770	8,57	1200	4,24
290	0,00			480	7,81	580	6,53	680	7,99	780	9,09		

Data subject to change without notice



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