


OPTICAL GLASS LENS		Polarized glass lenses		61	CUSTOMER	BARBERINI SPA	
PolaACE / Gr.30% - Mir.Flash 20/AR 99					TECHNICAL DATA SHEET N.	NO2978	
					GLASS CODE:	3C99G5c0	
					DATE:	17/11/2016	
Base:	6	Coating:	Mir.Flash 20/AR 99				
Thickness:	1.8 mm	Polarization Ratio:	> 25	(min 8:1)			
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)	16,52%					
TSB	(mean 380 ÷ 500 nm)	18,27%					
TSIR	(mean 780 ÷ 2000 nm)	76,73%	(max TV)	NO IR PROTECTION			
TSUV	(mean 280 ÷ 380 nm)	0,00%					
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	8,26%	PASS		
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 1%)	0,16%	PASS		
TVIS	(peak min 475 ÷ 650 nm)	5,01%	(min 0,2 Tv)	3,30%	PASS		
	Qgreen	1,03	(min. = 0,60)		PASS		
	Qyellow	0,94	(min. = 0,60)		PASS		
	Qred	1,07	(min. = 0,80)		PASS		
	Qblue	1,18	(min. = 0,60)		PASS		

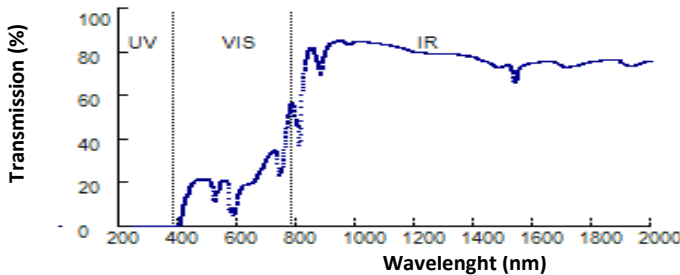
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	16,53%	(8<=Tv<40)	PASS		Medium to dark	
TSB	(mean 380 ÷ 500 nm)	18,27%					
TSUVB	(mean 280 ÷ 315 nm)			Color limits:			
	normal use	0,00%	(<=1/8Tv)	2,06%	PASS	Chromaticity (D65)	
	high and prolonged exposure	0,00%	(max 1%)	0,16%	PASS	Yellow traffic signals x=0,5838 y=0,4147 PASS	
TSUVA	(mean 315 ÷ 380 nm)			Green traffic signals x=0,1895 y=0,3776 PASS			
	normal use	0,00%	(max Tv)	16,53%	PASS	Traffic signal transmittance:	
	high and prolonged exposure	0,00%	(max 0.5 TV)	8,26%	PASS	Red signal 20,33% (>= 8%) PASS	
TSIR	(mean 780 ÷ 1400 nm)	77,22%	Not Calculated			Yellow signal 15,38% (>= 6%) PASS	
TVIS	(peak min 475 ÷ 650 nm)	5,01%	(min 0,2 TV)	3,30%	PASS	Green signal 17,17% (>= 6%) PASS	

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	16,52%				Filter Category: 3	
TSB	(mean 380 ÷ 500 nm)	18,27%				High sunglare reduction	
TSIR	(mean 780 ÷ 2000 nm)	76,73%				Not Suitable for driving at night	
TSUV	(mean 280 ÷ 400 nm)	0,00%					
TSUVA	(mean 315 ÷ 400 nm)	0,01%	(0,5 Tv)	8,26%	PASS	Qgreen	1,04 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(0,5 Tv)	0,82%	PASS	Qyellow	0,92 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	8,26%	PASS	Qred	1,06 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	7,65%	(min 0,2 Tv)	3,30%	PASS	Qblue	1,15 (min. = 0,70) PASS



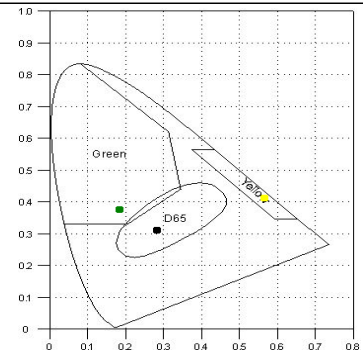
Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	21,78	590	7,66	690	29,28	800	46,36
210	0,00	310	0,00	400	0,58	500	21,56	600	14,30	700	32,02	850	82,54
220	0,00	320	0,00	410	5,75	510	19,36	610	17,12	710	33,65	900	81,88
230	0,00	330	0,00	420	11,98	520	11,63	620	19,05	720	34,80	950	85,48
240	0,00	340	0,00	430	15,11	530	15,60	630	19,26	730	34,03	1000	85,07
250	0,00	350	0,00	440	18,68	540	20,05	640	19,89	740	23,56	1050	84,66
260	0,00	360	0,00	450	20,49	550	21,19	650	20,10	750	27,76	1100	83,71
270	0,00	370	0,00	460	21,43	560	21,26	660	22,03	760	40,70	1150	82,22
280	0,00	380	0,00	470	21,72	570	9,88	670	24,45	770	50,67	1200	80,31
290	0,00			480	21,93	580	8,79	680	26,60	780	56,55		

Data subject to change without notice

D65 : **x=0,2903**
y=0,3129

C : **x=0,2877**
y=0,3003



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Responsible Alfonso De Luca