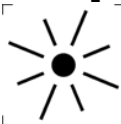


OPTICAL GLASS LENS		Polarized glass lenses		57	CUSTOMER	BARBERINI SPA
PolaSmoke/GS.32% - AR 99 cc					TECHNICAL DATA SHEET N.	NO2586
Base:	6	Coating:	AR 99 cc		GLASS CODE:	PS01K5c0
Thickness:	1.8 mm	Polarization Ratio:	> 25	(min 8:1)	DATE:	22/07/2015
Hardening:	Chemically	Degree of Polarization:	0,99		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:	2	Medium tint	
				
TV	(mean 380 ÷ 780 nm)	24,38%		
TSB	(mean 380 ÷ 500 nm)	20,27%		
TSIR	(mean 780 ÷ 2000 nm)	79,90%	(max TV)	NO IR PROTECTION
TSUV	(mean 280 ÷ 380 nm)	0,00%		
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	12,19% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	1,21% PASS
TVIS	(peak min 475 ÷ 650 nm)	15,05%	(min 0,2 Tv)	4,87% PASS
	Qgreen	0,95	(min. = 0,60)	PASS
	Qyellow	1,06	(min. = 0,60)	PASS
	Qred	1,13	(min. = 0,80)	PASS
	Qblue	0,94	(min. = 0,60)	PASS

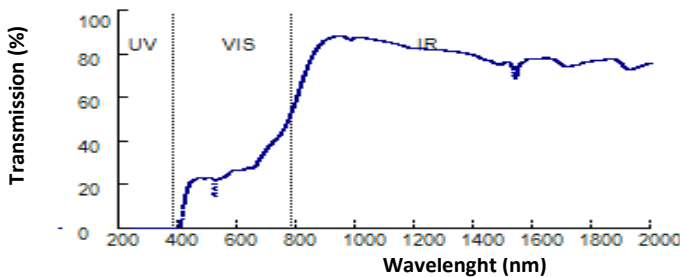
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose
TV	(mean 380 ÷ 780 nm)	24,46%	(8<=Tv<40)	PASS Medium to dark
TSB	(mean 380 ÷ 500 nm)	20,27%		
TSUVB	(mean 280 ÷ 315 nm)			Color limits:
	normal use	0,00%	(<=1/8Tv)	3,05% PASS Chromaticity (D65) PASS
	high and prolonged exposure	0,00%	(max 1%)	0,24% PASS Yellow traffic signals x=0,5831 y=0,4157 PASS
TSUVA	(mean 315 ÷ 380 nm)			PASS Green traffic signals x=0,2186 y=0,4007 PASS
	normal use	0,00%	(max Tv)	24,46% PASS Traffic signal transmittance:
	high and prolonged exposure	0,00%	(max 0.5 TV)	12,23% PASS Red signal 28,36% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	80,57%	No requirement	Yellow signal 26,25% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	15,05%	(min 0,2 TV)	4,87% PASS Green signal 22,85% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	24,38%			Filter Category: 2
TSB	(mean 380 ÷ 500 nm)	20,27%			Medium sunglare reduction
TSIR	(mean 780 ÷ 2000 nm)	79,90%			Not Suitable for driving at night
TSUV	(mean 280 ÷ 400 nm)	0,00%			
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(max Tv)	24,38%	PASS Qgreen 0,93 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	1,21%	PASS Qyellow 1,07 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	12,19%	PASS Qred 1,12 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	15,05%	(min 0,2 TV)	4,87%	PASS Qblue 0,94 (min. = 0,70) PASS



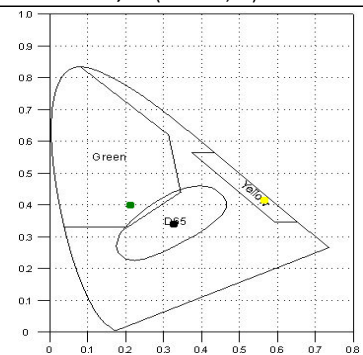
Spectral Data:

UV				VIS				IR			
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	22,90	590	26,70	690	35,43
210	0,00	310	0,00	400	0,26	500	23,43	600	26,65	700	37,13
220	0,00	320	0,00	410	5,53	510	23,20	610	26,86	710	38,71
230	0,00	330	0,00	420	13,77	520	15,05	620	27,38	720	39,99
240	0,00	340	0,00	430	19,06	530	22,82	630	27,82	730	41,38
250	0,00	350	0,00	440	21,59	540	23,53	640	28,10	740	42,96
260	0,00	360	0,00	450	22,53	550	23,71	650	27,64	750	44,80
270	0,00	370	0,00	460	23,02	560	24,49	660	29,06	760	47,11
280	0,00	380	0,00	470	23,32	570	25,70	670	31,33	770	49,92
290	0,00			480	23,47	580	26,56	680	33,45	780	53,25
										800	60,62
										850	79,04
										900	87,08
										950	88,71
										1000	88,04
										1050	87,18
										1100	85,95
										1150	84,50
										1200	82,79
										1300	81,95
										1400	79,82
										1500	76,22
										1600	78,09
										1700	74,89
										1800	77,11
										1900	75,56
										2000	76,07

Data subject to change without notice

D65 : **x=0,3357**
y=0,3400

C : **x=0,3329**
y=0,3283



De Luca Alfonso
Responsible Alfonso De Luca