


OPTICAL GLASS LENS		Standard glass lenses		1000	CUSTOMER	BARBERINI SPA
Grey Vintage - AR 99 cc					TECHNICAL DATA SHEET N.	NO3196
Base:	6	Coating:	AR 99 cc		GLASS CODE:	00001000
Thickness:	1.9 mm	Polarization Ratio:	0,00%	(min 4:1)	DATE:	26/01/2016
Hardening:	Chemically	Degree of Polarization:	0,00		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: 1		Light tint	
					
TV	(mean 380 ÷ 780 nm)	53,28%			
TSB	(mean 380 ÷ 500 nm)	52,78%			
TSIR	(mean 780 ÷ 2000 nm)	68,73%	(max TV)	NO IR PROTECTION	
TSUV	(mean 280 ÷ 380 nm)	0,00%			
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max Tv)	53,28%	PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	2,66%	PASS
TVIS	(peak min 475 ÷ 650 nm)	26,01%	(min 0,2 Tv)	10,65%	PASS
	Qgreen	1,02	(min. = 0,60)		PASS
	Qyellow	0,97	(min. = 0,60)		PASS
	Qred	1,06	(min. = 0,80)		PASS
	Qblue	1,05	(min. = 0,60)		PASS

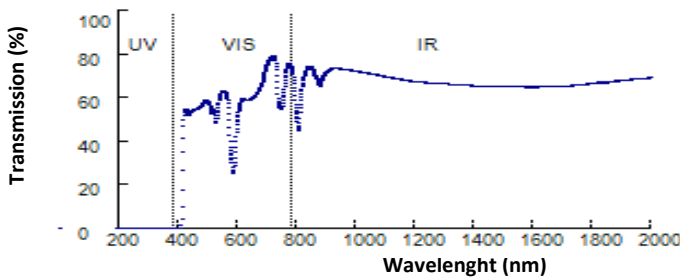
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

					Primary function and shade cosmetic
TV	(mean 380 ÷ 780 nm)	53,23%	(40<=Tv<100)	PASS	Light
TSB	(mean 380 ÷ 500 nm)	52,78%			
TSUVB	(mean 280 ÷ 315 nm)				Color limits:
	normal use	0,00%	(<=1/8Tv)	6,65%	PASS Chromaticity (D65)
	high and prolonged exposure	0,00%	(max 1%)	0,53%	PASS Yellow traffic signals x=0,5811 y=0,4175
TSUVA	(mean 315 ÷ 380 nm)				PASS Green traffic signals x=0,1995 y=0,4048
	normal use	0,00%	(max Tv)	53,23%	PASS Traffic signal transmittance:
	high and prolonged exposure	0,00%	(max 0.5 TV)	26,61%	PASS Red signal 60,38% (>= 8%)
TSIR	(mean 780 ÷ 1400 nm)	69,35%	No requirement		PASS Yellow signal 51,27% (>= 6%)
TVIS	(peak min 475 ÷ 650 nm)	26,01%	(min 0,2 TV)	10,65%	PASS Green signal 55,22% (>= 6%)

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	53,28%				Filter Category: 1
TSB	(mean 380 ÷ 500 nm)	52,78%				Limited sunglare reduction
TSIR	(mean 780 ÷ 2000 nm)	68,73%				Not Suitable for driving at night
TSUV	(mean 280 ÷ 400 nm)	0,00%				
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(max Tv)	53,28%	PASS Qgreen 1,04 (min. = 0,60)	PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	2,66%	PASS Qyellow 0,96 (min. = 0,80)	PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max Tv)	53,28%	PASS Qred 1,06 (min. = 0,80)	PASS
TVIS	(peak min 450 ÷ 650 nm)	28,55%	(min 0,2 Tv)	10,65%	PASS Qblue 1,06 (min. = 0,70)	PASS

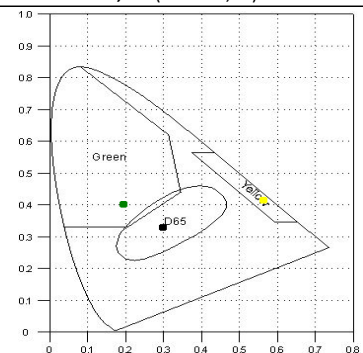


Spectral Data:

UV				VIS								IR			
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	58,85	590	35,12	690	71,73	800	50,56	1300	66,61
210	0,00	310	0,00	400	0,00	500	57,80	600	52,42	700	76,16	850	74,07	1400	65,64
220	0,00	320	0,00	410	10,03	510	53,71	610	58,63	710	78,61	900	72,21	1500	65,54
230	0,00	330	0,00	420	54,84	520	54,34	620	59,51	720	79,32	950	73,41	1600	65,11
240	0,00	340	0,00	430	52,22	530	53,21	630	59,32	730	72,95	1000	72,43	1700	65,58
250	0,00	350	0,00	440	53,69	540	61,75	640	59,51	740	56,24	1050	71,23	1800	66,78
260	0,00	360	0,00	450	54,60	550	63,26	650	60,05	750	56,42	1100	69,91	1900	68,21
270	0,00	370	0,00	460	55,04	560	61,79	660	61,47	760	69,65	1150	68,63	2000	69,42
280	0,00	380	0,00	470	56,06	570	46,44	670	63,67	770	75,90	1200	67,67		
290	0,00			480	57,18	580	28,56	680	66,37	780	74,66				

Data subject to change without notice

D65 : x=0,3063
y=0,3300
C : x=0,3037
y=0,3168



De Luca Alfonso
Responsible Alfonso De Luca