


OPTICAL GLASS LENS		Standard glass lenses		248	CUSTOMER	BARBERINI SPA
Neophan 1309 - AR 99 cc					TECHNICAL DATA SHEET N.	NO3470
Base:	6	Coating:	AR 99 cc		GLASS CODE:	2F0106c0
Thickness:	1.9 mm	Polarization Ratio:	0,00%	(min 8:1)	DATE:	20/06/2016
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:	3		Dark tint	
					
TV	(mean 380 ÷ 780 nm)	9,43%			
TSB	(mean 380 ÷ 500 nm)	7,04%			
TSIR	(mean 780 ÷ 2000 nm)	59,38%	(max TV)	NO IR PROTECTION	
TSUV	(mean 280 ÷ 380 nm)	0,01%			
TSUVA	(mean 315 ÷ 380 nm)	0,01%	(max 0,5 TV)	4,71%	PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 1%)	0,09%	PASS
TVIS	(peak min 475 ÷ 650 nm)	3,30%	(min 0,2 Tv)	1,88%	PASS
	Qgreen	1,03	(min. = 0,60)		PASS
	Qyellow	1,03	(min. = 0,60)		PASS
	Qred	1,18	(min. = 0,80)		PASS
	Qblue	0,97	(min. = 0,60)		PASS

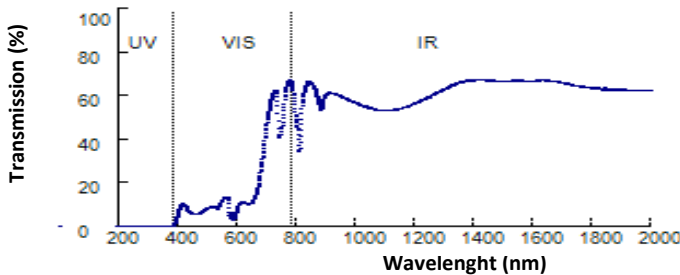
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

					Primary function and shade general purpose
TV	(mean 380 ÷ 780 nm)	9,43%	(8<=Tv<40)	PASS	Medium to dark
TSB	(mean 380 ÷ 500 nm)	7,04%			
TSUVB	(mean 280 ÷ 315 nm)				<i>Color limits:</i>
	normal use	0,00%	(<=1/8Tv)	1,17%	PASS Chromaticity (D65)
	high and prolonged exposure	0,00%	(max 1%)	0,09%	PASS Yellow traffic signals x=0,5852 y=0,4134 PASS
TSUVA	(mean 315 ÷ 380 nm)				PASS Green traffic signals x=0,2174 y=0,4630 PASS
	normal use	0,01%	(max Tv)	9,43%	PASS <i>Traffic signal transmittance:</i>
	high and prolonged exposure	0,01%	(max 0.5 TV)	4,71%	PASS Red signal 12,91% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	57,99%	No requirement		PASS Yellow signal 9,73% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	3,31%	(min 0,2 TV)	1,88%	PASS Green signal 9,55% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	9,43%				Filter Category: 3
TSB	(mean 380 ÷ 500 nm)	7,04%				High sunglare reduction
TSIR	(mean 780 ÷ 2000 nm)	59,38%				Not Suitable for driving at night
TSUV	(mean 280 ÷ 400 nm)	0,28%				
TSUVA	(mean 315 ÷ 400 nm)	0,42%	(0,5 Tv)	4,71%	PASS	Qgreen 1,02 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(0,5 Tv)	0,47%	PASS	Qyellow 1,02 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	4,71%	PASS	Qred 1,17 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	5,09%	(min 0,2 Tv)	1,88%	PASS	Qblue 1,09 (min. = 0,70) PASS

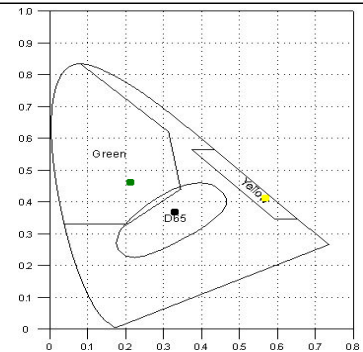


Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	2,82	490	7,86	590	5,10	690	39,65	800	46,14
210	0,00	310	0,00	400	7,44	500	8,71	600	9,30	700	50,00	850	65,91
220	0,00	320	0,00	410	10,41	510	8,87	610	10,52	710	57,05	900	60,86
230	0,00	330	0,00	420	9,55	520	9,48	620	11,06	720	61,56	950	59,67
240	0,00	340	0,00	430	7,56	530	8,27	630	10,46	730	61,17	1000	56,78
250	0,00	350	0,00	440	6,59	540	10,83	640	10,57	740	40,91	1050	54,57
260	0,00	360	0,00	450	5,87	550	12,58	650	11,71	750	46,48	1100	53,22
270	0,00	370	0,00	460	5,69	560	13,78	660	14,59	760	61,64	1150	54,30
280	0,00	380	0,36	470	5,99	570	6,59	670	20,15	770	66,76	1200	56,90
290	0,00			480	6,72	580	6,21	680	29,03	780	66,56		

Data subject to change without notice

D65 : **x=0,3398**
y=0,3705
C : **x=0,3382**
y=0,3585



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Responsible Alfonso De Luca