


OPTICAL GLASS LENS		Polarized glass lenses		257	CUSTOMER	BARBERINI SPA
PolaNeophan/Br.20% - AR 99 cc					TECHNICAL DATA SHEET N.	NO2869
					GLASS CODE:	NB01P5C0
					DATE:	20/06/2016
Base:	6	Coating:	AR 99 cc			
Thickness:	1.9 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)	13,30%			
TSB	(mean 380 ÷ 500 nm)	3,35%			
TSIR	(mean 780 ÷ 2000 nm)	72,00%	(max TV)	NO IR PROTECTION	
TSUV	(mean 280 ÷ 380 nm)	0,00%			
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	6,65%	PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 1%)	0,13%	PASS
TVIS	(peak min 475 ÷ 650 nm)	4,11%	(min 0,2 Tv)	2,66%	PASS
	Qgreen	0,89	(min. = 0,60)		PASS
	Qyellow	1,22	(min. = 0,60)		PASS
	Qred	1,57	(min. = 0,80)		PASS
	Qblue	0,62	(min. = 0,60)		PASS

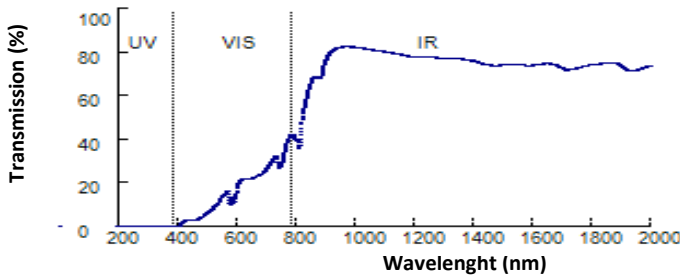
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

		Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	13,35%	(8<=Tv<40)	PASS	Medium to dark
TSB	(mean 380 ÷ 500 nm)	3,35%			
TSUVB	(mean 280 ÷ 315 nm)				<i>Color limits:</i>
	normal use	0,00%	(<=1/8Tv)	1,66%	PASS Chromaticity (D65)
	high and prolonged exposure	0,00%	(max 1%)	0,13%	PASS Yellow traffic signals x=0,6009 y=0,3980 PASS
TSUVA	(mean 315 ÷ 380 nm)				Green traffic signals x=0,2785 y=0,5336 PASS
	normal use	0,00%	(max Tv)	13,35%	PASS Traffic signal transmittance:
	high and prolonged exposure	0,00%	(max 0.5 TV)	6,67%	PASS Red signal 22,27% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	71,59%	No requirement		Yellow signal 16,85% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	4,11%	(min 0,2 TV)	2,66%	PASS Green signal 11,27% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	13,30%		Filter Category: 3	
TSB	(mean 380 ÷ 500 nm)	3,35%		High sunglare reduction	
TSIR	(mean 780 ÷ 2000 nm)	72,00%		Not Suitable for driving at night	
TSUV	(mean 280 ÷ 400 nm)	0,00%			
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(0,5 Tv)	6,65%	PASS Qgreen 0,84 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(0,5 Tv)	0,66%	PASS Qyellow 1,27 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	6,65%	PASS Qred 1,57 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	3,11%	(min 0,2 TV)	2,66%	PASS Qblue 0,77 (min. = 0,70) PASS



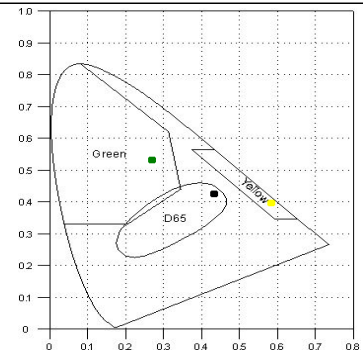
Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	5,61	590	13,98	690	25,33	800	39,40
210	0,00	310	0,00	400	0,21	500	6,56	600	19,53	700	27,22	850	67,25
220	0,00	320	0,00	410	1,71	510	7,56	610	21,10	710	29,24	900	77,54
230	0,00	330	0,00	420	2,75	520	9,26	620	21,90	720	31,29	950	82,63
240	0,00	340	0,00	430	2,93	530	10,22	630	21,64	730	32,27	1000	82,46
250	0,00	350	0,00	440	3,02	540	12,87	640	22,00	740	27,16	1050	81,45
260	0,00	360	0,00	450	3,12	550	14,30	650	22,49	750	29,99	1100	80,41
270	0,00	370	0,00	460	3,32	560	15,80	660	23,01	760	36,41	1150	79,25
280	0,00	380	0,00	470	3,77	570	12,26	670	23,68	770	40,14	1200	78,03
290	0,00			480	4,57	580	13,81	680	24,42	780	42,12		

Data subject to change without notice

D65 : **x=0,4457**
y=0,4271

C : **x=0,4460**
y=0,4200



De Luca Alfonso
Responsible Alfonso De Luca