


OPTICAL GLASS LENS		Polarized glass lenses		CUSTOMER		BARBERINI SPA	
PolaNeophan/BL35% - AR 99 cc				TECHNICAL DATA SHEET N.		NO2969	
				GLASS CODE:		NG01T5C0	
Base: 6		Coating: AR 99 cc		DATE:		14/11/2016	
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)	17,12%					
TSB	(mean 380 ÷ 500 nm)	14,61%					
TSIR	(mean 780 ÷ 2000 nm)	67,14%	(max TV)	NO IR PROTECTION			
TSUV	(mean 280 ÷ 380 nm)	0,00%					
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	8,56%	PASS		
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 1%)	0,17%	PASS		
TVIS	(peak min 475 ÷ 650 nm)	8,80%	(min 0,2 Tv)	3,42%	PASS		
	Qgreen	1,05	(min. = 0,60)		PASS		
	Qyellow	0,94	(min. = 0,60)		PASS		
	Qred	0,98	(min. = 0,80)		PASS		
	Qblue	1,07	(min. = 0,60)		PASS		

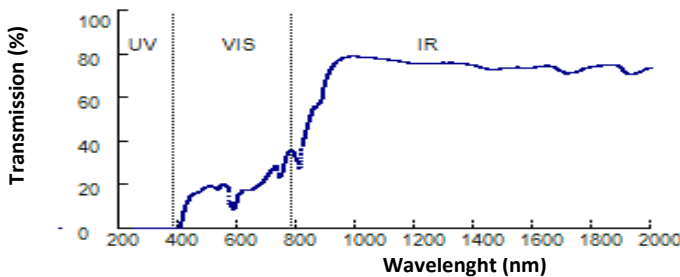
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	17,07%	(8<=Tv<40)	PASS		Medium to dark	
TSB	(mean 380 ÷ 500 nm)	14,61%					
TSUVB	(mean 280 ÷ 315 nm)					<i>Color limits:</i>	
	normal use	0,00%	(<=1/8Tv)	2,13%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,17%	PASS	Yellow traffic signals	x=0,5766 y=0,4219 PASS
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	x=0,1977 y=0,4258 PASS
	normal use	0,00%	(max Tv)	17,07%	PASS	<i>Traffic signal transmittance:</i>	
	high and prolonged exposure	0,00%	(max 0.5 TV)	8,53%	PASS	Red signal	18,17% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	65,89%	Not Calculated			Yellow signal	15,93% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	8,80%	(min 0,2 TV)	3,42%	PASS	Green signal	18,23% (>= 6%) PASS

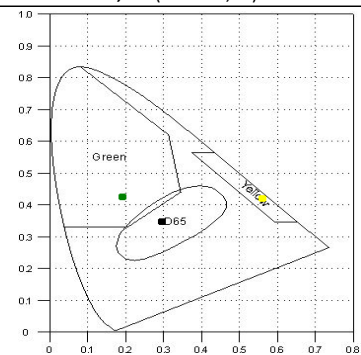
Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	17,12%					
TSB	(mean 380 ÷ 500 nm)	14,61%					
TSIR	(mean 780 ÷ 2000 nm)	67,14%				Filter Category: 3	
TSUV	(mean 280 ÷ 400 nm)	0,00%				High sunglare reduction	
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(0,5 Tv)	8,56%	PASS	Not Suitable for driving at night	
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(0,5 Tv)	0,85%	PASS	Qgreen	1,07 (min. = 0,60) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	8,56%	PASS	Qyellow	0,92 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	11,06%	(min 0,2 Tv)	3,42%	PASS	Qred	0,98 (min. = 0,80) PASS
						Qblue	1,09 (min. = 0,70) PASS



D65 : x=0,3052
y=0,3497

C : x=0,3032
y=0,3364



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	19,02	590	11,06	690	22,64	800	31,40
210	0,00	310	0,00	400	0,20	500	19,47	600	15,31	700	24,62	850	53,80
220	0,00	320	0,00	410	4,12	510	19,20	610	16,64	710	26,37	900	69,45
230	0,00	330	0,00	420	9,64	520	19,49	620	17,55	720	28,00	950	78,25
240	0,00	340	0,00	430	12,77	530	17,85	630	17,51	730	28,70	1000	79,16
250	0,00	350	0,00	440	14,97	540	19,91	640	17,85	740	23,71	1050	78,60
260	0,00	360	0,00	450	15,92	550	20,23	650	18,32	750	26,18	1100	77,86
270	0,00	370	0,00	460	16,48	560	19,78	660	19,00	760	32,00	1150	77,02
280	0,00	380	0,00	470	17,08	570	12,99	670	20,06	770	35,09	1200	75,96
290	0,00			480	17,88	580	12,09	680	21,35	780	36,09		

Data subject to change without notice

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