


OPTICAL GLASS LENS		Polarized glass lenses		CUSTOMER		BARBERINI SPA	
PolaNeophan/Gr.35% - AR 99 cc				TECHNICAL DATA SHEET N.		NO2971	
				GLASS CODE:		NG01R5C0	
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:	2	Medium tint			
							
TV	(mean 380 ÷ 780 nm)	21,32%					
TSB	(mean 380 ÷ 500 nm)	11,18%					
TSIR	(mean 780 ÷ 2000 nm)	70,55%	(max TV)	NO IR PROTECTION			
TSUV	(mean 280 ÷ 380 nm)	0,00%					
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	10,66%	PASS		
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	1,06%	PASS		
TVIS	(peak min 475 ÷ 650 nm)	12,80%	(min 0,2 Tv)	4,26%	PASS		
	Qgreen	1,01	(min. = 0,60)		PASS		
	Qyellow	1,04	(min. = 0,60)		PASS		
	Qred	1,14	(min. = 0,80)		PASS		
	Qblue	0,86	(min. = 0,60)		PASS		

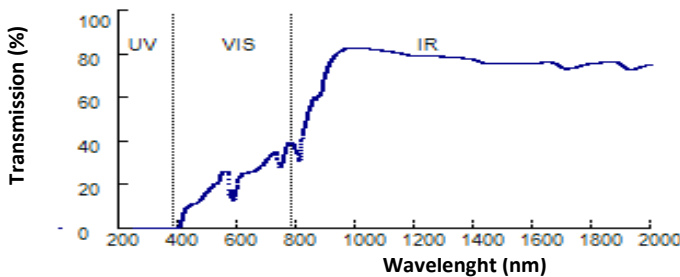
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	21,30%	(8<=Tv<40)	PASS		Medium to dark	
TSB	(mean 380 ÷ 500 nm)	11,18%					
TSUVB	(mean 280 ÷ 315 nm)			Color limits:			
	normal use	0,00%	(<=1/8Tv)	2,66%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,21%	PASS	Yellow traffic signals	x=0,5823 y=0,4163 PASS
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	x=0,2266 y=0,4852 PASS
	normal use	0,00%	(max Tv)	21,30%	PASS	Traffic signal transmittance:	
	high and prolonged exposure	0,00%	(max 0.5 TV)	10,65%	PASS	Red signal	26,19% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	69,58%	Not Calculated			Yellow signal	22,31% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	12,80%	(min 0,2 TV)	4,26%	PASS	Green signal	21,21% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

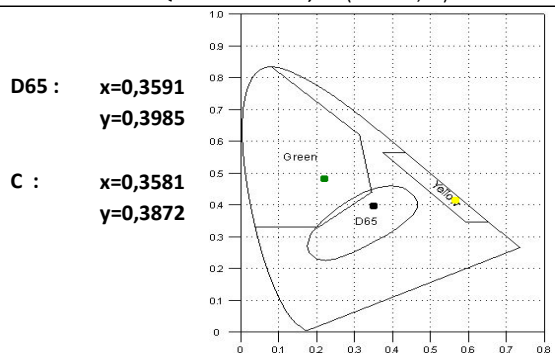
TV	(mean 380 ÷ 780 nm)	21,32%					
TSB	(mean 380 ÷ 500 nm)	11,18%					
TSIR	(mean 780 ÷ 2000 nm)	70,55%				Filter Category: 2	
TSUV	(mean 280 ÷ 400 nm)	0,00%				Medium sunglare reduction	
TSUVA	(mean 315 ÷ 400 nm)	0,01%	(max Tv)	21,32%	PASS	Qgreen	1,00 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	1,06%	PASS	Qyellow	1,04 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	10,66%	PASS	Qred	1,14 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	11,32%	(min 0,2 TV)	4,26%	PASS	Qblue	0,93 (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	16,16	590	16,25	690	30,37	800	34,75
210	0,00	310	0,00	400	0,42	500	17,69	600	22,43	700	32,22	850	58,09
220	0,00	320	0,00	410	4,46	510	18,85	610	24,41	710	33,58	900	72,87
230	0,00	330	0,00	420	8,36	520	20,83	620	25,80	720	34,68	950	81,94
240	0,00	340	0,00	430	9,91	530	20,64	630	25,67	730	34,58	1000	83,15
250	0,00	350	0,00	440	10,94	540	24,47	640	25,88	740	28,09	1050	82,57
260	0,00	360	0,00	450	11,33	550	26,00	650	26,16	750	30,38	1100	81,65
270	0,00	370	0,00	460	11,78	560	26,44	660	26,76	760	36,24	1150	80,55
280	0,00	380	0,00	470	12,72	570	17,74	670	27,87	770	39,05	1200	79,33
290	0,00			480	14,25	580	17,42	680	29,18	780	39,76		

Data subject to change without notice



De Luca Alfonso
Responsible Alfonso De Luca