


OPTICAL GLASS LENS		Polarized glass lenses		CUSTOMER		BARBERINI SPA	
PolaACE/Or.29% - AR 99 cc				TECHNICAL DATA SHEET N.		NO2757	
				GLASS CODE:		160102BZ01	
Base: 6		Coating: AR 99 cc		DATE:		29/03/2016	
Thickness: 1.8 mm		Polarization Ratio: > 25		(min 8:1)			
Hardening: Chemically		Degree of Polarization: 0,93		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)	19,78%					
TSB	(mean 380 ÷ 500 nm)	6,50%					
TSIR	(mean 780 ÷ 2000 nm)	80,22%	(max TV)	NO IR PROTECTION			
TSUV	(mean 280 ÷ 380 nm)	0,00%					
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	9,89%	PASS		
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	0,98%	PASS		
TVIS	(peak min 475 ÷ 650 nm)	8,28%	(min 0,2 Tv)	3,95%	PASS		
	Qgreen	0,82	(min. = 0,60)		PASS		
	Qyellow	1,28	(min. = 0,60)		PASS		
	Qred	1,86	(min. = 0,80)		PASS		
	Qblue	0,66	(min. = 0,60)		PASS		

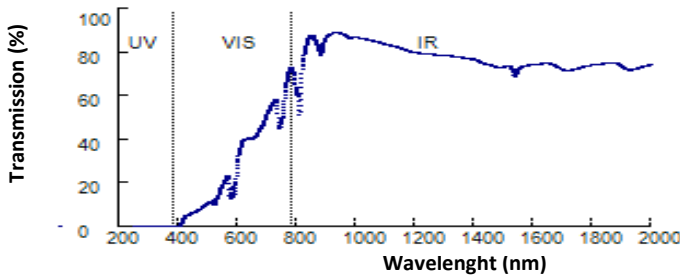
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	19,89%	(8<=Tv<40)	PASS		Medium to dark	
TSB	(mean 380 ÷ 500 nm)	6,50%					
TSUVB	(mean 280 ÷ 315 nm)					<i>Color limits:</i>	
	normal use	0,00%	(<=1/8Tv)	2,48%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,19%	PASS	Yellow traffic signals	x=0,6152 y=0,3838 PASS
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	x=0,2729 y=0,4908 PASS
	normal use	0,00%	(max Tv)	19,89%	PASS	<i>Traffic signal transmittance:</i>	
	high and prolonged exposure	0,00%	(max 0.5 TV)	9,94%	PASS	Red signal	40,95% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	81,49%	No requirement			Yellow signal	26,44% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	8,29%	(min 0,2 TV)	3,95%	PASS	Green signal	15,64% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	19,78%					
TSB	(mean 380 ÷ 500 nm)	6,50%					
TSIR	(mean 780 ÷ 2000 nm)	80,22%					
TSUV	(mean 280 ÷ 400 nm)	0,00%					
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(max Tv)	19,78%	PASS	Qgreen	0,78 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	0,98%	PASS	Qyellow	1,34 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	9,89%	PASS	Qred	1,86 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	6,53%	(min 0,2 TV)	3,95%	PASS	Qblue	0,80 (min. = 0,70) PASS

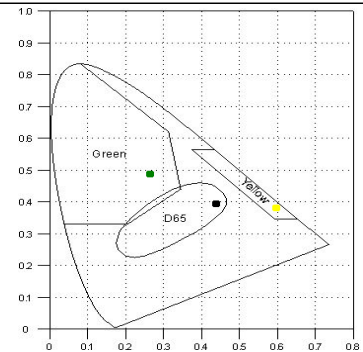


Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	10,05	590	19,10	690	48,89	800	60,58
210	0,00	310	0,00	400	0,12	500	11,12	600	31,44	700	52,43	850	87,96
220	0,00	320	0,00	410	2,06	510	11,71	610	36,85	710	55,14	900	87,32
230	0,00	330	0,00	420	4,45	520	9,97	620	40,14	720	57,44	950	88,78
240	0,00	340	0,00	430	5,34	530	13,42	630	40,38	730	57,55	1000	87,16
250	0,00	350	0,00	440	6,03	540	17,40	640	40,67	740	45,24	1050	85,68
260	0,00	360	0,00	450	6,53	550	19,58	650	40,24	750	49,78	1100	83,94
270	0,00	370	0,00	460	7,08	560	22,37	660	41,67	760	62,87	1150	82,05
280	0,00	380	0,00	470	7,83	570	16,83	670	43,83	770	70,43	1200	79,99
290	0,00			480	8,93	580	18,24	680	45,91	780	73,02		

Data subject to change without notice

D65 : x=0,4513
y=0,3959
C : x=0,4504
y=0,3888



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Responsible Alfonso De Luca