


OPTICAL GLASS LENS		Polarized glass lenses		CUSTOMER		BARBERINI SPA	
PolaACE IR/W.34% - AR 99 cc				TECHNICAL DATA SHEET N.		NO2975	
				GLASS CODE:		AH01L5R0	
Base: 6		Coating: AR 99 cc		DATE:		14/11/2016	
Thickness: 1.8 mm		Polarization Ratio: > 25		(min 8:1)		Photochromic Ratio: 0,00%	
Hardening: Chemically		Degree of Polarization: 0,99				Photochromic Interval: 0,00	
Optical Centre: Centre		Reflection factor: PASS 1,47%		(max 2.5%)			

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)	19,28%		IR PROTECTION			
TSB	(mean 380 ÷ 500 nm)	20,40%					
TSIR	(mean 780 ÷ 2000 nm)	12,15%	(max TV)				
TSUV	(mean 280 ÷ 380 nm)	0,00%					
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	9,64%	PASS		
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	0,96%	PASS		
TVIS	(peak min 475 ÷ 650 nm)	11,00%	(min 0,2 Tv)	3,85%	PASS		
	Qgreen	0,95	(min. = 0,60)		PASS		
	Qyellow	1,03	(min. = 0,60)		PASS		
	Qred	1,22	(min. = 0,80)		PASS		
	Qblue	1,06	(min. = 0,60)		PASS		

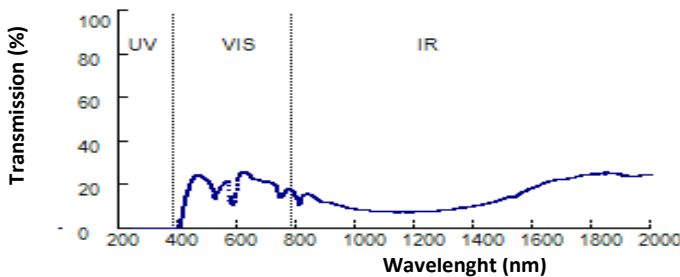
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

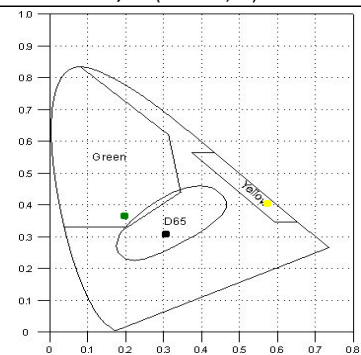
				Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	19,33%	(8<=Tv<40)	PASS	Medium to dark		
TSB	(mean 380 ÷ 500 nm)	20,40%					
TSUVB	(mean 280 ÷ 315 nm)			<i>Color limits:</i>			
	normal use	0,00%	(<=1/8Tv)	2,41%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,19%	PASS	Yellow traffic signals	x=0,5915 y=0,4072 PASS
TSUVA	(mean 315 ÷ 380 nm)			Green traffic signals			
	normal use	0,00%	(max Tv)	19,33%	PASS	Traffic signal transmittance:	
	high and prolonged exposure	0,00%	(max 0.5 TV)	9,66%	PASS	Red signal	24,50% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	10,89%	Not Calculated			Yellow signal	20,17% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	11,00%	(min 0,2 TV)	3,85%	PASS	Green signal	18,56% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	19,28%				Filter Category: 2	
TSB	(mean 380 ÷ 500 nm)	20,40%				Medium sunglare reduction	
TSIR	(mean 780 ÷ 2000 nm)	12,15%				Not Suitable for driving at night	
TSUV	(mean 280 ÷ 400 nm)	0,00%					
TSUVA	(mean 315 ÷ 400 nm)	0,01%	(max Tv)	19,28%	PASS	Qgreen	0,95 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	0,96%	PASS	Qyellow	1,04 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	9,64%	PASS	Qred	1,23 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	13,92%	(min 0,2 TV)	3,85%	PASS	Qblue	1,03 (min. = 0,70) PASS



D65 : x=0,3151
y=0,3094
C : x=0,3117
y=0,2977



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	22,75	590	14,78	690	21,68	800	13,51
210	0,00	310	0,00	400	0,45	500	21,58	600	22,75	700	21,66	850	15,33
220	0,00	320	0,00	410	5,62	510	19,25	610	25,34	710	21,21	900	12,30
230	0,00	330	0,00	420	12,87	520	13,92	620	26,31	720	20,59	950	10,43
240	0,00	340	0,00	430	17,45	530	16,37	630	25,32	730	19,28	1000	8,98
250	0,00	350	0,00	440	21,33	540	19,33	640	24,42	740	14,20	1050	8,24
260	0,00	360	0,00	450	23,50	550	20,36	650	23,03	750	14,66	1100	7,78
270	0,00	370	0,00	460	24,45	560	21,81	660	22,59	760	17,38	1150	7,61
280	0,00	380	0,00	470	24,23	570	15,13	670	22,35	770	18,37	1200	7,63
290	0,00			480	23,64	580	15,24	680	21,90	780	18,04		

Data subject to change without notice

De Luca Alfonso
Responsible Alfonso De Luca