


OPTICAL GLASS LENS		Polarized glass lenses		2	CUSTOMER		BARBERINI SPA	
Pola ACE/W.34% - AR 99 cc					TECHNICAL DATA SHEET N.		NO2928	
Base:	6	Coating:	AR 99 cc	GLASS CODE:		AH01L5c0		
Thickness:	1.8 mm	Polarization Ratio:	> 25	DATE:		07/10/2016		
Hardening:	Chemically	Degree of Polarization:	0,99	(min 8:1)		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)	25,92%					
TSB	(mean 380 ÷ 500 nm)	25,78%					
TSIR	(mean 780 ÷ 2000 nm)	81,51%	(max TV)	NO IR PROTECTION			
TSUV	(mean 280 ÷ 380 nm)	0,00%					
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	12,96%	PASS		
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	1,29%	PASS		
TVIS	(peak min 475 ÷ 650 nm)	15,81%	(min 0,2 Tv)	5,18%	PASS		
	Qgreen	0,90	(min. = 0,60)		PASS		
	Qyellow	1,10	(min. = 0,60)		PASS		
	Qred	1,45	(min. = 0,80)		PASS		
	Qblue	1,00	(min. = 0,60)		PASS		

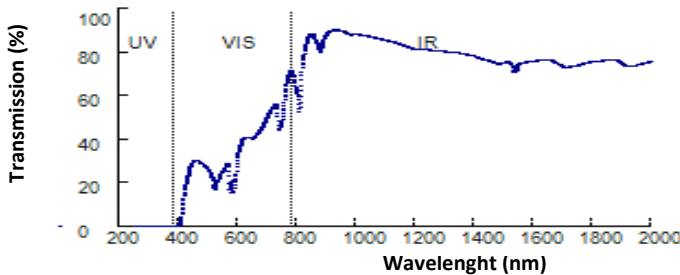
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

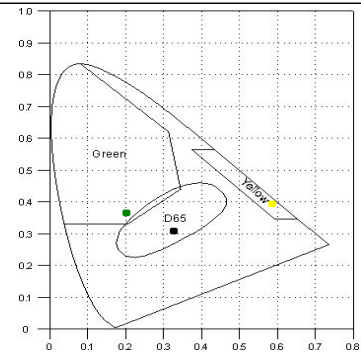
				Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	26,03%	(8<=Tv<40)	PASS		Medium to dark	
TSB	(mean 380 ÷ 500 nm)	25,78%					
TSUVB	(mean 280 ÷ 315 nm)			Color limits:			
	normal use	0,00%	(<=1/8Tv)	3,25%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,26%	PASS	Yellow traffic signals	x=0,6043 y=0,3946 PASS
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	x=0,2089 y=0,3666 PASS
	normal use	0,00%	(max Tv)	26,03%	PASS	Traffic signal transmittance:	
	high and prolonged exposure	0,00%	(max 0.5 TV)	13,01%	PASS	Red signal	41,23% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	82,72%	Not Calculated			Yellow signal	29,25% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	15,82%	(min 0,2 TV)	5,18%	PASS	Green signal	23,55% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	25,92%				Filter Category: 2	
TSB	(mean 380 ÷ 500 nm)	25,78%				Medium sunglare reduction	
TSIR	(mean 780 ÷ 2000 nm)	81,51%				Not Suitable for driving at night	
TSUV	(mean 280 ÷ 400 nm)	0,00%					
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(max Tv)	25,92%	PASS	Qgreen	0,90 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	1,29%	PASS	Qyellow	1,13 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	12,96%	PASS	Qred	1,45 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	17,35%	(min 0,2 TV)	5,18%	PASS	Qblue	1,01 (min. = 0,70) PASS



D65 : x=0,3372
y=0,3099
C : x=0,3336
y=0,2988



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	27,60	590	21,48	690	47,78	800	60,97
210	0,00	310	0,00	400	0,39	500	26,09	600	33,26	700	50,83	850	88,61
220	0,00	320	0,00	410	6,71	510	23,37	610	37,97	710	53,23	900	88,58
230	0,00	330	0,00	420	16,77	520	17,35	620	40,73	720	55,42	950	90,13
240	0,00	340	0,00	430	23,06	530	20,42	630	40,77	730	55,65	1000	88,64
250	0,00	350	0,00	440	27,95	540	24,20	640	40,94	740	44,75	1050	87,26
260	0,00	360	0,00	450	29,92	550	25,82	650	40,44	750	49,43	1100	85,68
270	0,00	370	0,00	460	30,40	560	28,08	660	41,75	760	61,88	1150	83,84
280	0,00	380	0,00	470	29,74	570	19,87	670	43,58	770	69,07	1200	81,84
290	0,00			480	28,77	580	21,18	680	45,27	780	71,83		

Data subject to change without notice

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