


OPTICAL GLASS LENS		Polarized glass lenses		4	CUSTOMER	BARBERINI SPA
Pola ACE/Gr.40% - AR 99 cc					TECHNICAL DATA SHEET N.	NO2924
Base:	6	Coating:	AR 99 cc		GLASS CODE:	AH01Q5c0
Thickness:	1.8 mm	Polarization Ratio:	> 25	(min 8:1)	DATE:	07/10/2016
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)	29,67%		
TSB	(mean 380 ÷ 500 nm)	17,25%		
TSIR	(mean 780 ÷ 2000 nm)	77,77%	(max TV)	NO IR PROTECTION
TSUV	(mean 280 ÷ 380 nm)	0,00%		
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	14,83% PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	1,48% PASS
TVIS	(peak min 475 ÷ 650 nm)	14,63%	(min 0,2 Tv)	5,93% PASS
	Qgreen	1,02	(min. = 0,60)	PASS
	Qyellow	1,02	(min. = 0,60)	PASS
	Qred	1,12	(min. = 0,80)	PASS
	Qblue	0,89	(min. = 0,60)	PASS

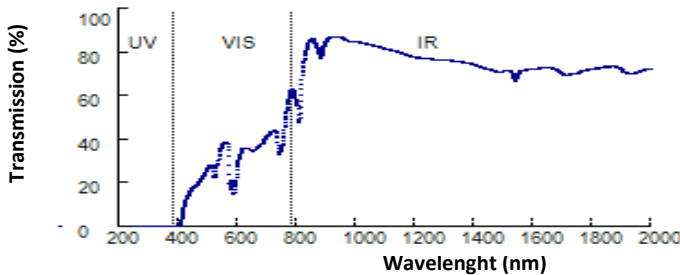
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

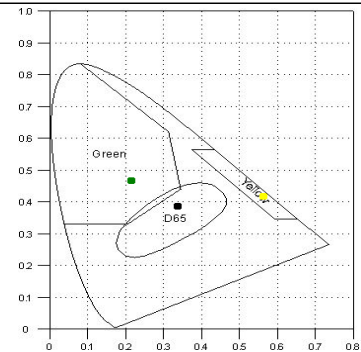
				Primary function and shade general purpose
TV	(mean 380 ÷ 780 nm)	29,66%	(8<=Tv<40)	PASS Medium to dark
TSB	(mean 380 ÷ 500 nm)	17,25%		
TSUVB	(mean 280 ÷ 315 nm)			Color limits:
	normal use	0,00%	(<=1/8Tv) 3,70%	PASS Chromaticity (D65)
	high and prolonged exposure	0,00%	(max 1%) 0,29%	PASS Yellow traffic signals x=0,5798 y=0,4187
TSUVA	(mean 315 ÷ 380 nm)			PASS Green traffic signals x=0,2213 y=0,4676
	normal use	0,00%	(max Tv) 29,66%	PASS Traffic signal transmittance:
	high and prolonged exposure	0,00%	(max 0.5 TV) 14,83%	PASS Red signal 35,85% (>= 8%)
TSIR	(mean 780 ÷ 1400 nm)	78,94%	Not Calculated	PASS Yellow signal 30,49% (>= 6%)
TVIS	(peak min 475 ÷ 650 nm)	14,63%	(min 0,2 TV) 5,93%	PASS Green signal 29,62% (>= 6%)

Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	29,67%			Filter Category:	2
TSB	(mean 380 ÷ 500 nm)	17,25%				Medium sunglare reduction
TSIR	(mean 780 ÷ 2000 nm)	77,77%				Not Suitable for driving at night
TSUV	(mean 280 ÷ 400 nm)	0,00%				
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(max Tv) 29,67%	PASS	Qgreen	1,00 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv) 1,48%	PASS	Qyellow	1,02 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv) 14,83%	PASS	Qred	1,12 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	18,10%	(min 0,2 TV) 5,93%	PASS	Qblue	0,95 (min. = 0,70) PASS



D65 : x=0,3473
y=0,3883
C : x=0,3458
y=0,3770



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	25,13	590	19,39	690	39,94	800	55,86
210	0,00	310	0,00	400	0,28	500	27,37	600	29,89	700	42,00	850	86,26
220	0,00	320	0,00	410	4,72	510	28,10	610	33,87	710	43,21	900	85,72
230	0,00	330	0,00	420	10,98	520	22,71	620	36,13	720	44,04	950	87,03
240	0,00	340	0,00	430	14,17	530	28,44	630	35,75	730	43,39	1000	85,16
250	0,00	350	0,00	440	16,75	540	35,52	640	35,57	740	33,60	1050	83,54
260	0,00	360	0,00	450	18,10	550	38,27	650	34,76	750	37,46	1100	81,84
270	0,00	370	0,00	460	19,29	560	39,09	660	35,57	760	49,01	1150	79,90
280	0,00	380	0,00	470	20,83	570	24,01	670	36,98	770	57,60	1200	77,85
290	0,00			480	22,92	580	21,36	680	38,22	780	62,78		

Data subject to change without notice

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