


OPTICAL GLASS LENS		Polarized glass lenses		CUSTOMER		BARBERINI SPA	
PolaACE/Gr.25% - AR 99 cc				TECHNICAL DATA SHEET N.		NO2761	
				GLASS CODE:		160106DJ01	
Base: 6		Coating: AR 99 cc		DATE:		29/03/2016	
Thickness: 1.8 mm		Polarization Ratio: > 25		(min 8:1)		Photochromic Ratio: 0,00%	
Hardening: Chemically		Degree of Polarization: 0,99		(max 2.5%)		Photochromic Interval: 0,00	
Optical Centre: Centre		Reflection factor: PASS 1,47%					

This sunglare filter is conform to the following International Norm:

European Norm: ISO 12312-1 2013

		Filter Category: 3		Medium tint			
							
TV	(mean 380 ÷ 780 nm)	18,04%					
TSB	(mean 380 ÷ 500 nm)	14,18%					
TSIR	(mean 780 ÷ 2000 nm)	78,59%	(max TV)	NO IR PROTECTION			
TSUV	(mean 280 ÷ 380 nm)	0,00%					
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	9,12%	PASS		
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 0,05 TV)	0,91%	PASS		
TVIS	(peak min 475 ÷ 650 nm)	8,92%	(min 0,2 Tv)	3,64%	PASS		
	Qgreen	1,06	(min. = 0,60)		PASS		
	Qyellow	0,94	(min. = 0,60)		PASS		
	Qred	0,92	(min. = 0,80)		PASS		
	Qblue	1,01	(min. = 0,60)		PASS		

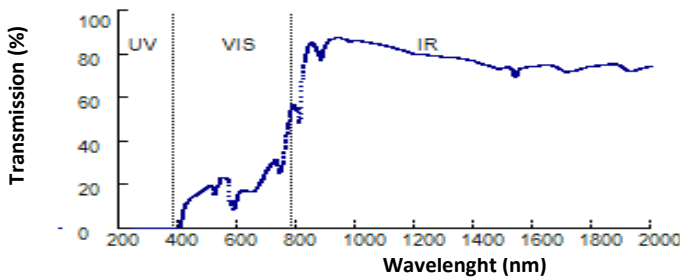
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	18,01%	(8<=Tv<40)	PASS	Medium to dark		
TSB	(mean 380 ÷ 500 nm)	14,18%					
TSUVB	(mean 280 ÷ 315 nm)				Color limits:		
	normal use	0,00%	(<=1/8Tv)	2,27%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,18%	PASS	Yellow traffic signals	x=0,5669 y=0,4315 PASS
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	x=0,2056 y=0,4393 PASS
	normal use	0,00%	(max Tv)	18,21%	PASS	Traffic signal transmittance:	
	high and prolonged exposure	0,00%	(max 0.5 TV)	9,10%	PASS	Red signal	17,85% (>= 8%) PASS
TSIR	(mean 780 ÷ 1400 nm)	79,49%	No requirement			Yellow signal	17,09% (>= 6%) PASS
TVIS	(peak min 475 ÷ 650 nm)	8,92%	(min 0,2 TV)	3,64%	PASS	Green signal	19,26% (>= 6%) PASS

Australian Norm: AS/NZS 1067:2009

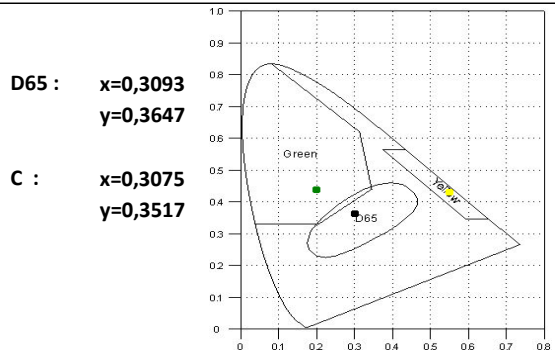
TV	(mean 380 ÷ 780 nm)	18,04%					
TSB	(mean 380 ÷ 500 nm)	14,18%					
TSIR	(mean 780 ÷ 2000 nm)	78,59%					
TSUV	(mean 280 ÷ 400 nm)	0,00%					
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(max Tv)	18,24%	PASS	Qgreen	1,06 (min. = 0,60) PASS
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max Tv)	0,91%	PASS	Qyellow	0,92 (min. = 0,80) PASS
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	9,12%	PASS	Qred	0,91 (min. = 0,80) PASS
TVIS	(peak min 450 ÷ 650 nm)	11,14%	(min 0,2 TV)	3,64%	PASS	Qblue	1,03 (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	18,65	590	11,14	690	24,86	800	54,57
210	0,00	310	0,00	400	0,37	500	19,63	600	15,56	700	27,30	850	85,54
220	0,00	320	0,00	410	5,00	510	19,56	610	16,90	710	29,09	900	85,30
230	0,00	330	0,00	420	10,34	520	15,65	620	17,76	720	30,63	950	87,54
240	0,00	340	0,00	430	12,48	530	19,14	630	17,41	730	31,29	1000	86,56
250	0,00	350	0,00	440	14,07	540	22,91	640	17,10	740	25,73	1050	85,43
260	0,00	360	0,00	450	14,93	550	23,65	650	16,87	750	29,52	1100	84,06
270	0,00	370	0,00	460	15,64	560	23,38	660	18,02	760	39,38	1150	82,30
280	0,00	380	0,00	470	16,51	570	14,80	670	20,05	770	48,02	1200	80,29
290	0,00			480	17,63	580	12,92	680	22,33	780	55,05		

Data subject to change without notice



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