


OPTICAL GLASS LENS		Polarized glass lenses		CUSTOMER		BARBERINI SPA	
PolaACE/Br.18% - AR 99 cc				TECHNICAL DATA SHEET N.		NO2760	
				GLASS CODE:		160105DK01	
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: 0,99		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: 3		Dark tint			
							
TV	(mean 380 ÷ 780 nm)	12,61%					
TSB	(mean 380 ÷ 500 nm)	7,54%					
TSIR	(mean 780 ÷ 2000 nm)	78,90%	(max TV)	NO IR PROTECTION			
TSUV	(mean 280 ÷ 380 nm)	0,00%					
TSUVA	(mean 315 ÷ 380 nm)	0,00%	(max 0,5 TV)	6,3%	PASS		
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(max 1%)	0,12%	PASS		
TVIS	(peak min 475 ÷ 650 nm)	7,48%	(min 0,2 Tv)	2,52%	PASS		
	Qgreen	0,90	(min. = 0,60)		PASS		
	Qyellow	1,15	(min. = 0,60)		PASS		
	Qred	1,49	(min. = 0,80)		PASS		
	Qblue	0,81	(min. = 0,60)		PASS		

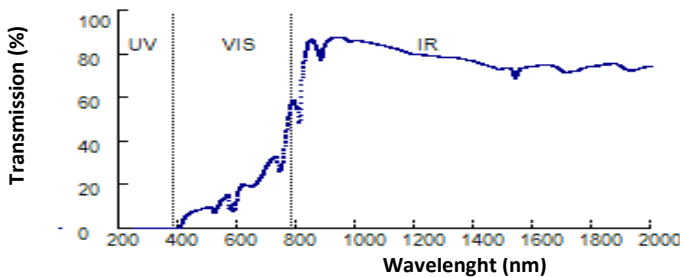
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose			
TV	(mean 380 ÷ 780 nm)	12,66%	(8<=Tv<40)	PASS		Medium to dark	
TSB	(mean 380 ÷ 500 nm)	7,54%					
TSUVB	(mean 280 ÷ 315 nm)					Color limits:	
	normal use	0,00%	(<=1/8Tv)	1,58%	PASS	Chromaticity (D65)	PASS
	high and prolonged exposure	0,00%	(max 1%)	0,12%	PASS	Yellow traffic signals	x=0,6006 y=0,3982
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	x=0,2373 y=0,4380
	normal use	0,00%	(max Tv)	12,66%	PASS	Traffic signal transmittance:	
	high and prolonged exposure	0,00%	(max 0.5 TV)	6,33%	PASS	Red signal	20,36% (>= 8%)
TSIR	(mean 780 ÷ 1400 nm)	79,89%	No requirement			Yellow signal	15,05% (>= 6%)
TVIS	(peak min 475 ÷ 650 nm)	7,49%	(min 0,2 TV)	2,52%	PASS	Green signal	11,12% (>= 6%)

Australian Norm: AS/NZS 1067:2009

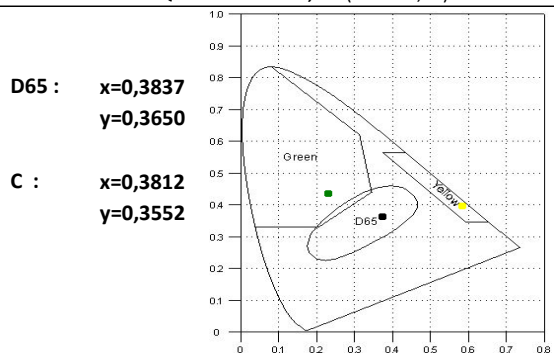
TV	(mean 380 ÷ 780 nm)	12,61%				Filter Category: 3	
TSB	(mean 380 ÷ 500 nm)	7,54%				High sunglare reduction	
TSIR	(mean 780 ÷ 2000 nm)	78,90%				Not Suitable for driving at night	
TSUV	(mean 280 ÷ 400 nm)	0,00%					
TSUVA	(mean 315 ÷ 400 nm)	0,00%	(0,5 Tv)	6,3%	PASS	Qgreen	0,88 (min. = 0,60)
TSUVB	(mean 280 ÷ 315 nm)	0,00%	(0,5 Tv)	0,63%	PASS	Qyellow	1,19 (min. = 0,80)
TSUVB1	(peak max 315 ÷ 350 nm)	0,00%	(max 0,5 Tv)	6,3%	PASS	Qred	1,49 (min. = 0,80)
TVIS	(peak min 450 ÷ 650 nm)	7,48%	(min 0,2 TV)	2,52%	PASS	Qblue	0,89 (min. = 0,70)



Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,00	300	0,00	390	0,00	490	9,61	590	11,03	690	26,99	800	55,06
210	0,00	310	0,00	400	0,12	500	9,79	600	16,99	700	29,47	850	86,97
220	0,00	320	0,00	410	2,34	510	9,45	610	19,09	710	31,23	900	85,92
230	0,00	330	0,00	420	5,34	520	7,49	620	20,34	720	32,70	950	87,87
240	0,00	340	0,00	430	6,60	530	9,77	630	19,99	730	33,13	1000	86,65
250	0,00	350	0,00	440	7,53	540	12,42	640	19,69	740	26,50	1050	85,43
260	0,00	360	0,00	450	8,10	550	13,54	650	19,32	750	30,49	1100	83,91
270	0,00	370	0,00	460	8,51	560	14,99	660	20,41	760	41,36	1150	82,14
280	0,00	380	0,00	470	8,86	570	10,95	670	22,37	770	50,67	1200	80,10
290	0,00			480	9,28	580	11,36	680	24,50	780	57,72		

Data subject to change without notice



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