


OPTICAL GLASS LENS		Polarized glass lenses		CUSTOMER		BARBERINI SPA	
PolaACE IR/Gr. 30% - Mir.Stealth /AR 99				TECHNICAL DATA SHEET N.		NO2695	
				GLASS CODE:		160906CVRS	
Base: 6		Coating: Mir.Stealth /AR 99		DATE:		17/02/2016	
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)	14,45%					
TSB	(mean 380 ÷ 500 nm)	13,13%					
TSIR	(mean 780 ÷ 2000 nm)						
TSUV	(mean 280 ÷ 380 nm)	0,01%					
TSUVA	(mean 315 ÷ 380 nm)	0,01%	(max 0,5 TV)	7,22%	PASS		
TSUVB	(mean 280 ÷ 315 nm)	0,01%	(max 1%)	0,14%	PASS		
TVIS	(peak min 475 ÷ 650 nm)	6,86%	(min 0,2 Tv)	2,89%	PASS		
	Qgreen	1,02	(min. = 0,60)		PASS		
	Qyellow	0,98	(min. = 0,60)		PASS		
	Qred	1,00	(min. = 0,80)		PASS		
	Qblue	1,02	(min. = 0,60)		PASS		

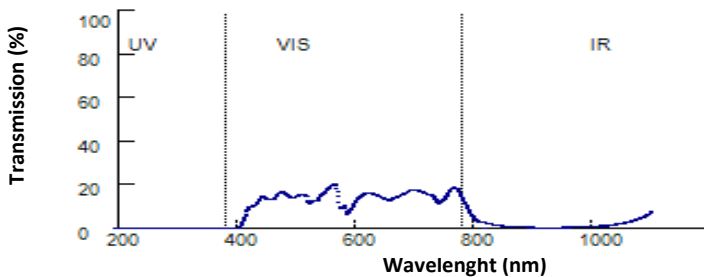
Suitable for driving and road use - Not suitable for driving at night or under condition of dull light

American Norm: ANSI Z80.3-2010

				Primary function and shade general purpose			
				Medium to dark			
TV	(mean 380 ÷ 780 nm)	14,47%	(8<=Tv<40)		PASS		
TSB	(mean 380 ÷ 500 nm)	13,13%					
TSUVB	(mean 280 ÷ 315 nm)						
				Color limits:			
				Chromaticity (D65)		PASS	
				Yellow traffic signals		x=0,5724 y=0,4261	
				Green traffic signals		x=0,2052 y=0,4054	
TSUVA	(mean 315 ÷ 380 nm)			Traffic signal transmittance:			
				Red signal		15,34% (>= 8%)	
				Yellow signal		14,19% (>= 6%)	
TSIR	(mean 780 ÷ 1400 nm)		Not Calculated	Green signal		14,65% (>= 6%)	
TVIS	(peak min 475 ÷ 650 nm)	6,86%	(min 0,2 TV)	2,89%	PASS		

Australian Norm: AS/NZS 1067:2009

				Filter Category: 3			
				High sunglare reduction			
				Not Suitable for driving at night			
TV	(mean 380 ÷ 780 nm)	14,45%					
TSB	(mean 380 ÷ 500 nm)	13,13%					
TSIR	(mean 780 ÷ 2000 nm)		Not Calculated				
TSUV	(mean 280 ÷ 400 nm)	0,01%					
TSUVA	(mean 315 ÷ 400 nm)	0,01%	(0,5 Tv)	7,22%	PASS	Qgreen	1,01 (min. = 0,60)
TSUVB	(mean 280 ÷ 315 nm)	0,01%	(0,5 Tv)	0,72%	PASS	Qyellow	0,97 (min. = 0,80)
TSUVB1	(peak max 315 ÷ 350 nm)	0,02%	(max 0,5 Tv)	7,22%	PASS	Qred	1,00 (min. = 0,80)
TVIS	(peak min 450 ÷ 650 nm)	8,85%	(min 0,2 Tv)	2,89%	PASS	Qblue	1,01 (min. = 0,70)

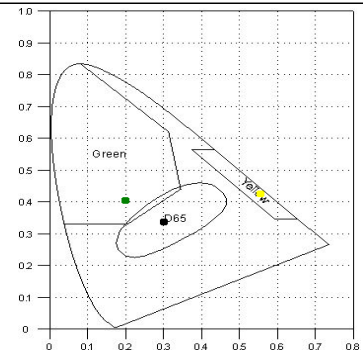


Spectral Data:

UV				VIS				IR					
nm	%	nm	%	nm	%	nm	%	nm	%	nm	%	nm	%
200	0,01	300	0,01	390	0,02	490	14,53	590	8,85	690	17,44	800	4,78
210	0,01	310	0,01	400	0,27	500	14,94	600	13,03	700	17,91	850	1,23
220	0,01	320	0,01	410	4,23	510	15,62	610	15,22	710	17,04	900	0,60
230	0,01	330	0,01	420	9,96	520	11,74	620	16,64	720	15,96	950	0,61
240	0,01	340	0,01	430	10,96	530	12,84	630	16,01	730	14,89	1000	0,91
250	0,01	350	0,01	440	14,60	540	15,23	640	14,82	740	11,86	1050	2,33
260	0,01	360	0,01	450	13,53	550	17,76	650	13,62	750	13,83	1100	7,65
270	0,01	370	0,01	460	13,81	560	20,35	660	13,63	760	18,16	1150	0,00
280	0,01	380	0,02	470	16,53	570	12,25	670	14,66	770	18,40	1200	0,00
290	0,01			480	16,29	580	10,47	680	16,02	780	14,05		

Data subject to change without notice

D65 : **x=0,3094**
y=0,3392
C : **x=0,3068**
y=0,3267



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Responsible Alfonso De Luca