Barberini
High Performance Glass Sunlenses

OPTICAL GLASS LENS	H2F Standard glass lenses	1318	CUSTOMER	BARBERINI SPA
H2F Brown V. V3 - Deg.Mr.Gold/AR99			TECHNICAL DATA SHEET N.	HN204
			GLASS CODE:	170404ZGEK
			DATE:	17/10/2016

Base:	4,25	Coating:	Deg.Mr.Gold/AR99				
Thickness:	1.7 mm	Polarization Ratio:	0,00%	(min 8:1)			
Hardening:	Chemically	Degree of Polarization:	0,00		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)	**31,80%**			
TSB	(mean 380 ÷ 500 nm)	**23,27%**			
TSIR	(mean 780 ÷ 2000 nm)		(max TV)		
TSUV	(mean 280 ÷ 380 nm)	**0,01%**			
TSUVA	(mean 315 ÷ 380 nm)	**0,01%**	(max 0,5 TV)	15,9%	**PASS**
TSUVB	(mean 280 ÷ 315 nm)	**0,01%**	(max 0,05 TV)	1,59%	**PASS**
TVIS	(peak min 475 ÷ 650 nm)	**17,65%**	(min 0,2 Tv)	6,36%	**PASS**
	Qgreen	**0,92**	(min. = 0,60)		**PASS**
	Qyellow	**1,10**	(min. = 0,60)		**PASS**
	Qred	**1,53**	(min. = 0,80)		**PASS**
	Qblue	**0,97**	(min. = 0,60)		**PASS**

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

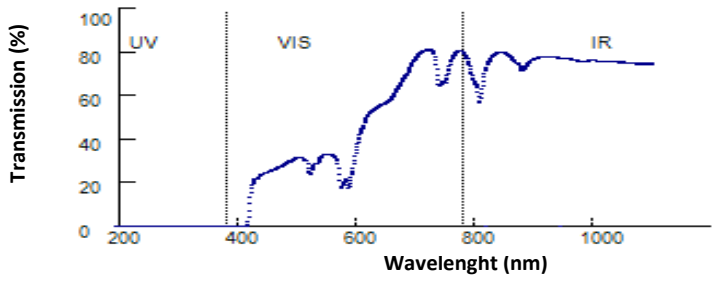
American Norm: ANSI Z80.3-2010

Primary function and shade general purpose

TV	(mean 380 ÷ 780 nm)	**31,83%**	(8<=Tv<40)		**PASS**	Medium to dark			
TSB	(mean 380 ÷ 500 nm)	**23,27%**							
TSUVB	(mean 280 ÷ 315 nm)					*Color limits:*			
	normal use	**0,01%**	(<=1/8Tv)	3,97%	**PASS**	Chromaticity (D65)			**PASS**
	high and prolonged exposure	**0,01%**	(max 1%)	0,31%	**PASS**	Yellow traffic signals	**x=0,6109**	**y=0,3880**	**PASS**
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	**x=0,2119**	**y=0,4187**	**PASS**
	normal use	**0,01%**	(max Tv)	31,83%	**PASS**	*Traffic signal trasmittance:*			
	high and prolonged exposure	**0,01%**	(max 0.5 TV)	15,91%	**PASS**	Red signal	**56,16%**	(>= 8%)	**PASS**
TSIR	(mean 780 ÷ 1400 nm)		Not Calculated			Yellow signal	**35,41%**	(>= 6%)	**PASS**
TVIS	(peak min 475 ÷ 650 nm)	**17,66%**	(min 0,2 TV)	6,36%	**PASS**	Green signal	**29,48%**	(>= 6%)	**PASS**

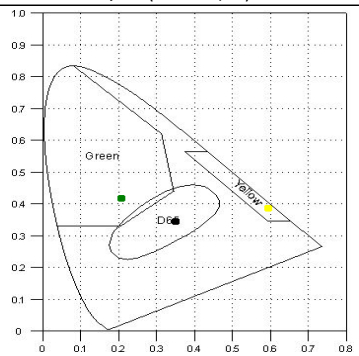
Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	**31,80%**							
TSB	(mean 380 ÷ 500 nm)	**23,27%**				Filter Category:	**2**		
TSIR	(mean 780 ÷ 2000 nm)		Not Calculated				Medium sunglare reduction		
TSUV	(mean 280 ÷ 400 nm)	**0,01%**					Not Suitable for driving at night		
TSUVA	(mean 315 ÷ 400 nm)	**0,01%**	(max Tv)	31,8%	**PASS**	**Qgreen**	**0,92**	(min. = 0,60)	**PASS**
TSUVB	(mean 280 ÷ 315 nm)	**0,01%**	(max Tv)	1,59%	**PASS**	**Qyellow**	**1,12**	(min. = 0,80)	**PASS**
TSUVB1	(peak max 315 ÷ 350 nm)	**0,02%**	(max 0,5 Tv)	15,9%	**PASS**	**Qred**	**1,51**	(min. = 0,80)	**PASS**
TVIS	(peak min 450 ÷ 650 nm)	**21,30%**	(min 0,2 Tv)	6,36%	**PASS**	**Qblue**	**1,03**	(min. = 0,70)	**PASS**



D65 : **x=0,3592** **y=0,3453**

C : **x=0,3566** **y=0,3337**



Spectral Data:

UV				VIS								IR			
nm	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**
200	0,01	300	0,01	390	0,02	490	30,60	590	23,79	690	73,59	800	65,46	1300	0,00
210	0,01	310	0,01	400	0,01	500	31,72	600	37,76	700	78,04	850	79,89	1400	0,00
220	0,01	320	0,02	410	0,11	510	30,97	610	46,06	710	80,44	900	77,10	1500	0,00
230	0,01	330	0,01	420	15,85	520	24,58	620	52,01	720	81,45	950	77,49	1600	0,00
240	0,01	340	0,01	430	22,12	530	28,64	630	54,31	730	79,28	1000	76,41	1700	0,00
250	0,01	350	0,01	440	24,22	540	32,61	640	56,08	740	64,52	1050	75,67	1800	0,00
260	0,01	360	0,02	450	25,28	550	33,28	650	56,92	750	67,28	1100	75,26	1900	0,00
270	0,01	370	0,02	460	26,43	560	32,42	660	60,08	760	77,15	1150	0,00	2000	0,00
280	0,01	380	0,03	470	27,83	570	21,31	670	64,46	770	80,74	1200	0,00		
290	0,01			480	29,30	580	21,81	680	68,66	780	80,03				

Data subject to change without notice

De Luca Alfonso

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