Barberini
High Performance Glass Sunlenses

OPTICAL GLASS LENS	H2F Standard glass lenses	CUSTOMER	BARBERINI SPA
Grey Vintage - H2F V 6 / AR 99 cc		TECHNICAL DATA SHEET N.	HN211
		GLASS CODE:	0GV606C0
		DATE:	15/11/2016

Base:	6	Coating:	H2F V 6 / AR 99 cc				
Thickness:	1.9 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)	**27,06%**			
TSB	(mean 380 ÷ 500 nm)	**21,49%**			
TSIR	(mean 780 ÷ 2000 nm)	**72,49%**	(max TV)		**NO IR PROTECTION**
TSUV	(mean 280 ÷ 380 nm)	**0,00%**			
TSUVA	(mean 315 ÷ 380 nm)	**0,00%**	(max 0,5 TV)	13,53%	**PASS**
TSUVB	(mean 280 ÷ 315 nm)	**0,00%**	(max 0,05 TV)	1,35%	**PASS**
TVIS	(peak min 475 ÷ 650 nm)	**11,31%**	(min 0,2 Tv)	5,41%	**PASS**
	Qgreen	**0,95**	(min. = 0,60)		**PASS**
	Qyellow	**1,07**	(min. = 0,60)		**PASS**
	Qred	**1,44**	(min. = 0,80)		**PASS**
	Qblue	**0,99**	(min. = 0,60)		**PASS**

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

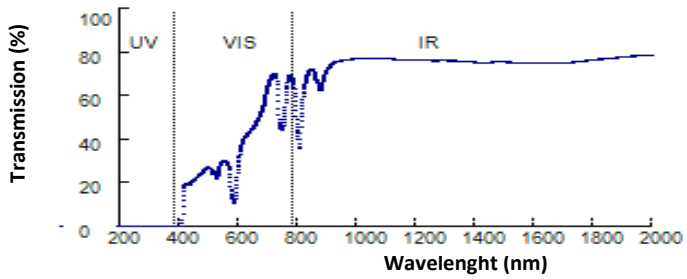
American Norm: ANSI Z80.3-2010

Primary function and shade general purpose

TV	(mean 380 ÷ 780 nm)	**27,07%**	(8<=Tv<40)		**PASS**	Medium to dark			
TSB	(mean 380 ÷ 500 nm)	**21,49%**							
TSUVB	(mean 280 ÷ 315 nm)					*Color limits:*			
	normal use	**0,00%**	(<=1/8Tv)	3,38%	**PASS**	Chromaticity (D65)			**PASS**
	high and prolonged exposure	**0,00%**	(max 1%)	0,27%	**PASS**	Yellow traffic signals	**x=0,6064**	**y=0,3924**	**PASS**
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	**x=0,2078**	**y=0,4232**	**PASS**
	normal use	**0,00%**	(max Tv)	27,07%	**PASS**	*Traffic signal trasmittance:*			
	high and prolonged exposure	**0,00%**	(max 0.5 TV)	13,53%	**PASS**	Red signal	**44,69%**	(>= 8%)	**PASS**
TSIR	(mean 780 ÷ 1400 nm)	**71,92%**	Not Calculated			Yellow signal	**29,02%**	(>= 6%)	**PASS**
TVIS	(peak min 475 ÷ 650 nm)	**11,32%**	(min 0,2 TV)	5,41%	**PASS**	Green signal	**26,13%**	(>= 6%)	**PASS**

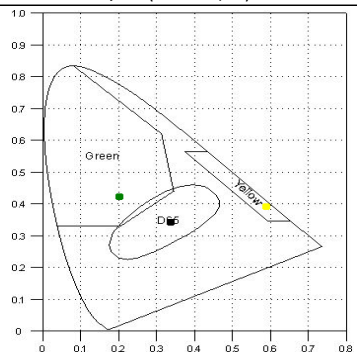
Australian Norm: AS/NZS 1067:2009

TV	(mean 380 ÷ 780 nm)	**27,06%**							
TSB	(mean 380 ÷ 500 nm)	**21,49%**				Filter Category:	**2**		
TSIR	(mean 780 ÷ 2000 nm)	**72,49%**					Medium sunglare reduction		
TSUV	(mean 280 ÷ 400 nm)	**0,00%**					Not Suitable for driving at night		
TSUVA	(mean 315 ÷ 400 nm)	**0,00%**	(max Tv)	27,06%	**PASS**	**Qgreen**	**0,96**	(min. = 0,60)	**PASS**
TSUVB	(mean 280 ÷ 315 nm)	**0,00%**	(max Tv)	1,35%	**PASS**	**Qyellow**	**1,07**	(min. = 0,80)	**PASS**
TSUVB1	(peak max 315 ÷ 350 nm)	**0,00%**	(max 0,5 Tv)	13,53%	**PASS**	**Qred**	**1,43**	(min. = 0,80)	**PASS**
TVIS	(peak min 450 ÷ 650 nm)	**11,94%**	(min 0,2 Tv)	5,41%	**PASS**	**Qblue**	**1,05**	(min. = 0,70)	**PASS**



D65 : **x=0,3481** **y=0,3444**

C : **x=0,3457** **y=0,3328**



Spectral Data:

UV				VIS								IR			
nm	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**
200	0,00	300	0,00	390	0,00	490	27,14	590	17,68	690	60,59	800	41,78	1300	76,37
210	0,00	310	0,00	400	0,00	500	26,98	600	31,62	700	65,78	850	72,16	1400	75,47
220	0,00	320	0,00	410	9,03	510	24,82	610	38,64	710	68,92	900	72,59	1500	75,69
230	0,00	330	0,00	420	19,50	520	25,39	620	41,24	720	70,24	950	76,41	1600	75,05
240	0,00	340	0,00	430	18,93	530	24,93	630	42,72	730	63,50	1000	77,29	1700	75,45
250	0,00	350	0,00	440	20,61	540	29,84	640	44,26	740	45,57	1050	77,51	1800	76,72
260	0,00	360	0,00	450	21,97	550	30,34	650	45,94	750	46,50	1100	77,26	1900	78,07
270	0,00	370	0,00	460	23,02	560	29,24	660	48,30	760	61,81	1150	76,81	2000	78,98
280	0,00	380	0,00	470	24,28	570	20,72	670	51,22	770	69,57	1200	76,47		
290	0,00			480	25,60	580	11,95	680	54,48	780	68,57				

Data subject to change without notice

De Luca Alfonso

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