Barberini
High Performance Glass Sunlenses

OPTICAL GLASS LENS	H2F Phtochromic glass lenses H2F Rosa B 9 - AR 99 cc	103	CUSTOMER	BARBERINI SPA
			TECHNICAL DATA SHEET N.	HF295
			GLASS CODE:	RL0106C0
			DATE:	16/02/2016

Base:	6	Coating:	AR 99 cc						
Thickness:	1.9 mm	Polarization Ratio:	0,00%	(min 4:1)					
Hardening:	Chemically	Degree of Polarization:	0,00			Photochromic Ratio:	PASS	3,12%	(min 1.25)
Optical Centre:	Centre	Reflection factor:	PASS 1,47%	(max 2.5%)		Photochromic Interval:		0,68	

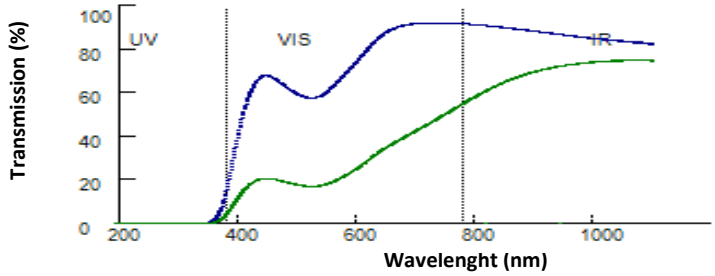
This sunglare filter is conform to the following International Norm:

European Norm: ISO 12312-1 2013		Light				Dark			
		Filter Category:	1		Light tint	Filter Category:	2		Medium tint
TV	(mean 380 ÷ 780 nm)	**65,76%**				**21,03%**			
TSB	(mean 380 ÷ 500 nm)	**64,43%**				**19,59%**			
TSIR	(mean 780 ÷ 2000 nm)		(max TV)				(max TV)		
TSUV	(mean 280 ÷ 380 nm)	**1,34%**				**0,38%**			
TSUVA	(mean 315 ÷ 380 nm)	**2,08%**	(max Tv)	65,76%	**PASS**	**0,59%**	(max Tv)	21,03%	**PASS**
TSUVB	(mean 280 ÷ 315 nm)	**0,01%**	(max 0,05 TV)	3,28%	**PASS**	**0,01%**	(max 0,05 TV)	1,05%	**PASS**
TVIS	(peak min 475 ÷ 650 nm)	**57,84%**	(min 0,2 Tv)	13,15%	**PASS**	**17,20%**	(min 0,2 Tv)	4,20%	**PASS**
	Qgreen	**0,93**	(min. = 0,60)		**PASS**	**0,89**	(min.= 0,60)		**PASS**
	Qyellow	**1,07**	(min. = 0,60)		**PASS**	**1,13**	(min.= 0,60)		**PASS**
	Qred	**1,23**	(min. = 0,80)		**PASS**	**1,42**	(min.= 0,80)		**PASS**
	Qblue	**0,94**	(min. = 0,60)		**PASS**	**0,92**	(min.= 0,60)		**PASS**

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

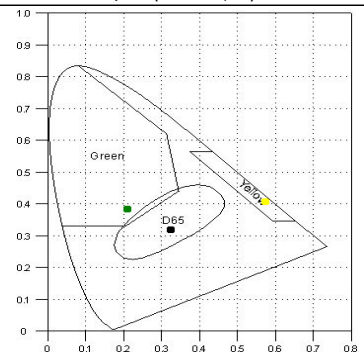
American Norm: ANSI Z80.3-2010						Primary function and shade cosmetic			
TV	(mean 380 ÷ 780 nm)	**65,95%**	(40<=Tv<100)		**PASS**		Light		
TSB	(mean 380 ÷ 500 nm)	**64,43%**							
TSUVB	(mean 280 ÷ 315 nm)					*Color limits:*			
	normal use	**0,01%**	(<=1/8Tv)	8,24%	**PASS**	Chromaticity (D65)			**PASS**
	high and prolonged exposure	**0,01%**	(max 1%)	0,65%	**PASS**	Yellow traffic signals	**x=0,5909**	**y=0,4080**	**PASS**
TSUVA	(mean 315 ÷ 380 nm)					Green traffic signals	**x=0,2150**	**y=0,3864**	**PASS**
	normal use	**2,97%**	(max Tv)	65,95%	**PASS**	*Traffic signal trasmittance:*			
	high and prolonged exposure	**2,97%**	(max 0.5 TV)	32,97%	**PASS**	Red signal	**85,38%**	(>= 8%)	**PASS**
TSIR	(mean 780 ÷ 1400 nm)		Not Calculated			Yellow signal	**72,00%**	(>= 6%)	**PASS**
TVIS	(peak min 475 ÷ 650 nm)	**57,85%**	(min 0,2 TV)	13,15%	**PASS**	Green signal	**61,39%**	(>= 6%)	**PASS**

Australian Norm: AS/NZS 1067:2009									
TV	(mean 380 ÷ 780 nm)	**65,76%**							
TSB	(mean 380 ÷ 500 nm)	**64,43%**				Filter Category:	**1**		
TSIR	(mean 780 ÷ 2000 nm)		Not Calculated				Limited sunglare reduction		
TSUV	(mean 280 ÷ 400 nm)	**3,58%**					Not Suitable for driving at night		
TSUVA	(mean 315 ÷ 400 nm)	**5,33%**	(max Tv)	65,76%	**PASS**	**Qgreen**	**0,92**	(min. = 0,60)	**PASS**
TSUVB	(mean 280 ÷ 315 nm)	**0,01%**	(max Tv)	3,28%	**PASS**	**Qyellow**	**1,09**	(min. = 0,80)	**PASS**
TSUVB1	(peak max 315 ÷ 350 nm)	**0,69%**	(max Tv)	65,76%	**PASS**	**Qred**	**1,22**	(min. = 0,80)	**PASS**
TVIS	(peak min 450 ÷ 650 nm)	**57,84%**	(min 0,2 Tv)	13,15%	**PASS**	**Qblue**	**0,96**	(min. = 0,70)	**PASS**



D65 : **x=0,3335** **y=0,3212**

C : **x=0,3305** **y=0,3096**



Spectral Data:

UV				VIS								IR			
nm	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**	**nm**	**%**
200	0,01	300	0,01	390	30,21	490	60,94	590	71,91	690	91,68	800	91,53	1300	0,00
210	0,01	310	0,01	400	43,13	500	59,43	600	74,82	700	91,97	850	90,17	1400	0,00
220	0,01	320	0,01	410	53,49	510	58,37	610	77,93	710	92,19	900	88,55	1500	0,00
230	0,01	330	0,03	420	60,89	520	57,85	620	81,08	720	92,32	950	86,81	1600	0,00
240	0,01	340	0,13	430	65,55	530	58,04	630	83,92	730	92,37	1000	85,31	1700	0,00
250	0,01	350	0,69	440	67,81	540	59,07	640	86,35	740	92,38	1050	83,91	1800	0,00
260	0,01	360	2,58	450	67,98	550	60,93	650	88,25	750	92,34	1100	82,54	1900	0,00
270	0,01	370	7,46	460	66,66	560	63,49	660	89,58	760	92,27	1150	0,00	2000	0,00
280	0,01	380	17,13	470	64,73	570	66,33	670	90,55	770	92,12	1200	0,00		
290	0,01			480	62,74	580	69,17	680	91,21	780	91,93				

Data subject to change without notice

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