



FINISHED
ORGANIC LENSES
TECHNICAL DATA

FSV ORGANIC CLEAR
INDEX 1.6 PREMIUM
MAX UV HIGH TECH

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INDEX 1.6 PREMIUM

MAX UV HIGH TECH

GENERAL PRODUCT CHARACTERISTICS

INDEX	1,6
MATERIAL	MR-8
DESIGN	spheric
ABBE	42
DENSITY (gr/cm ³)	1,3
COATING	Max UV High Tech
UV CUT (nm)	420
FILTER UV CATEGORY	0
DAY DRIVE	yes
NIGHT DRIVE	yes
TINTABLE	no
BAYER TEST	

LTL FAMILY

UV6

Lenses Dimensions

SPH	Ø 65 mm			
	C.T.	E.T.	BASE CURVE	
			N _e =1.60	
			F.C.	B.C.
0,25	1,80	1,50	2,05	1,80
0,50	2,00	1,50	2,30	1,80
0,75	2,20	1,50	2,55	1,80
1,00	2,40	1,50	2,80	1,80
1,25	2,30	1,10	3,05	1,80
1,50	2,50	1,10	3,30	1,80
1,75	2,70	1,10	3,55	1,80
2,00	3,00	1,10	3,80	1,80
2,25	3,20	1,10	3,15	0,90
2,50	3,40	1,10	3,40	0,90
2,75	3,60	1,10	3,65	0,90
3,00	3,80	1,10	3,90	0,90
3,25	4,00	1,10	4,15	0,90
3,50	4,30	1,10	4,40	0,90
3,75	4,50	1,10	4,65	0,90
4,00	4,70	1,10	4,90	0,90
4,25	4,90	1,10	5,15	0,90
4,50	5,10	1,10	5,40	0,90
4,75	5,40	1,10	5,65	0,90
5,00	5,60	1,10	5,90	0,90
5,25	5,80	1,10	6,15	0,90
5,50	6,00	1,10	6,40	0,90
5,75	6,20	1,10	6,65	0,90
6,00	6,40	1,10	6,90	0,90

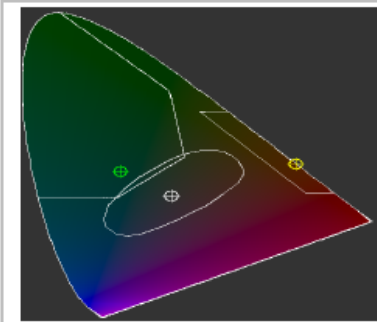
SPH	Ø 70 mm			
	C.T.	E.T.	BASE CURVE	
			N _e =1.60	
			F.C.	B.C.
0,00	2,20	1,90	4,75	4,50
0,25	1,90	1,40	5,00	4,50
0,50	2,00	1,20	5,25	4,50
0,75	2,10	1,10	5,50	4,50
1,00	2,40	1,10	5,75	4,50
1,25	2,70	1,10	6,00	4,50
1,50	2,90	1,10	6,25	4,50
1,75	3,20	1,10	6,50	4,50

SPH	Ø 70 & 75 mm			
	C.T.	E.T.	BASE CURVE	
			N _e =1.60	
			F.C.	B.C.
0,00	1,90	1,90	4,50	4,50
0,25	1,80	2,20	4,25	4,50
0,50	1,70	2,40	4,00	4,50
0,75	1,70	2,70	3,75	4,50
1,00	1,60	2,90	3,50	4,50
1,25	1,50	3,30	3,75	5,00
1,50	1,40	3,50	3,50	5,00
1,75	1,15	3,60	3,25	5,00
2,00	1,15	3,90	3,00	5,00
2,25	1,15	3,80	3,25	5,50
2,50	1,15	4,10	3,00	5,50
2,75	1,15	4,40	2,75	5,50
3,00	1,15	4,70	2,50	5,50
3,25	1,15	5,00	2,75	6,00
3,50	1,15	5,30	2,50	6,00
3,75	1,15	5,60	2,25	6,00
4,00	1,15	6,10	2,00	6,00
4,25	1,15	6,20	2,50	6,75
4,50	1,15	6,60	2,25	6,75
4,75	1,15	6,90	2,00	6,75
5,00	1,15	7,30	1,75	6,75
5,25	1,15	7,60	2,00	7,25
5,50	1,15	7,90	1,75	7,25
5,75	1,15	8,20	1,50	7,25
6,00	1,15	8,50	1,25	7,25
6,25	1,15	8,00	2,15	8,40
6,50	1,15	8,30	1,90	8,40
6,75	1,15	8,50	1,65	8,40
7,00	1,15	8,70	1,40	8,40
7,25	1,15	9,10	1,15	8,40
7,50	1,15	9,30	0,90	8,40
7,75	1,15	9,90	1,90	9,65
8,00	1,15	10,10	1,65	9,65
8,25	1,15	10,40	1,40	9,65
8,50	1,15	10,60	1,15	9,65
8,75	1,15	11,00	0,90	9,65
9,00	1,15	11,20	0,65	9,65
9,25	1,15	11,50	1,50	10,75
9,50	1,15	11,90	1,25	10,75
9,75	1,15	12,20	1,00	10,75
10,00	1,15	12,50	0,75	10,75

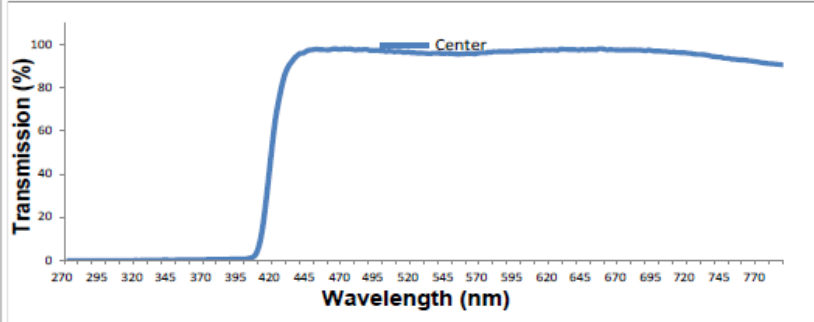
Lab Test

American National Standard ANSI Z80.3-2018 Luminous Transmittance <input type="text" value="96.64"/> % Primary Function <input type="text" value="Cosmetic lens or shield, light"/> Warnings <input type="text"/> <input type="text"/>	International Standard ISO 12312-1:2013/Amd.1:2015 Luminous Transmittance (Tv) <input type="text" value="96.63"/> % Filter Category <input type="text" value="0"/> Descriptive Label <input type="text" value="Light tint sunglasses"/> Warnings <input type="text"/> <input type="text"/>	Australian/New Zealand Standard AS/NZS 1067.1:2016 Luminous Transmittance (Tv) <input type="text" value="96.63"/> % Filter Category <input type="text" value="0"/> Descriptive Label <input type="text" value="Light tint sunglasses"/> Warnings <input type="text"/> <input type="text"/>																
VISIBLE SPECTRAL RANGE Traffic signal transmittance Red 97.79 % Min> 8.00 <input type="text" value="PASS"/> Yellow 96.88 % Min> 6.00 <input type="text" value="PASS"/> Green 96.45 % Min> 6.00 <input type="text" value="PASS"/> Spectral trans (475-650) 0.99 (Tv) Min> 0.20 <input type="text" value="PASS"/>	VISIBLE SPECTRAL RANGE Dection of signal light: INCANDESCENT LIGHT QRed 1.01 Min> 0.80 <input type="text" value="PASS"/> QYellow 1.00 Min> 0.60 <input type="text" value="PASS"/> QGreen 1.00 Min> 0.60 <input type="text" value="PASS"/> QBlue 1.00 Min> 0.60 <input type="text" value="PASS"/> Spectral trans (475-650) 95.69 % Min> 19.33 <input type="text" value="PASS"/>	VISIBLE SPECTRAL RANGE Dection of signal light: INCANDESCENT LIGHT QRed 1.01 Min> 0.80 <input type="text" value="PASS"/> QYellow 1.00 Min> 0.60 <input type="text" value="PASS"/> QGreen 1.00 Min> 0.60 <input type="text" value="PASS"/> QBlue 1.00 Min> 0.70 <input type="text" value="PASS"/> Spectral trans (475-650) 95.69 % Min> 19.33 <input type="text" value="PASS"/>																
UV SPECTRAL RANGE Mean EUV (280-315) 0.00 % Max< 12.08 <input type="text" value="PASS"/> Mean NUV (315-380) 0.22 % Max< 96.64 <input type="text" value="PASS"/> BlueLight Tsb (380-500) 87.27 %	UV SPECTRAL RANGE Tsuva (315-380) 0.18 % Max< 96.63 <input type="text" value="PASS"/> Tsuvb (280-315) 0.00 % Max< 4.83 <input type="text" value="PASS"/> Tsuv (280-380) 0.11 % Tsb (380-500) 87.27 %	UV SPECTRAL RANGE Tsuva (315-400) 0.23 % Max< 96.63 <input type="text" value="PASS"/> Tsuvb (280-315) 0.00 % Max< 4.83 <input type="text" value="PASS"/> Tsuv (280-400) 0.14 % Tsb (380-500) 87.27 %																
COLOR LIMITS <table border="1"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> <th></th> </tr> </thead> <tbody> <tr> <td>Green</td> <td>0.209</td> <td>0.402</td> <td><input type="text" value="PASS"/></td> </tr> <tr> <td>Yellow</td> <td>0.577</td> <td>0.422</td> <td><input type="text" value="PASS"/></td> </tr> <tr> <td>D65</td> <td>0.316</td> <td>0.335</td> <td><input type="text" value="PASS"/></td> </tr> </tbody> </table> <p><small>See color Limit of acceptance on a CIE (1931) chromatic diagram</small></p>		X	Y		Green	0.209	0.402	<input type="text" value="PASS"/>	Yellow	0.577	0.422	<input type="text" value="PASS"/>	D65	0.316	0.335	<input type="text" value="PASS"/>		
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Green	0.209	0.402	<input type="text" value="PASS"/>															
Yellow	0.577	0.422	<input type="text" value="PASS"/>															
D65	0.316	0.335	<input type="text" value="PASS"/>															

Color Limit Region of Acceptance



Spectral Transmittance



Additional required information
 This is not suitable for:
 - direct viewing of the sun
 - for use in twilight or at night
 - protection against sources of radiation other than natural sunlight

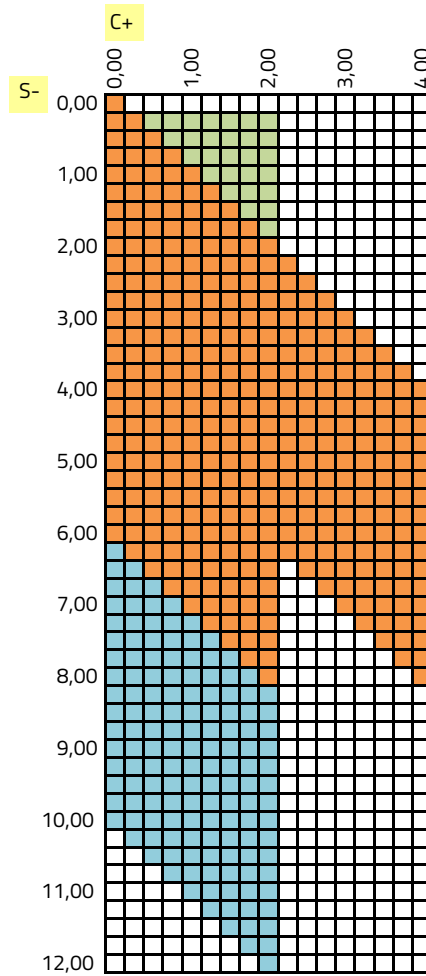
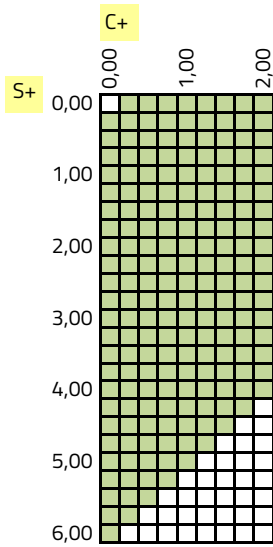
Lab Test

Spectral Transmittance

Transmittance values:

L	Center	L	Center	L	Center	L	Center	L	Center
270	0.02	400	0.73	530	96.08	660	97.71	720	96.18
275	0.03	405	1.6	535	96.19	665	97.79	725	95.68
280	0	410	9.09	540	96.1	670	97.59	730	95.48
285	0	415	32.17	545	96.14	675	97.61	735	95.01
290	0	420	60.85	550	95.98	680	97.69	740	94.55
295	0	425	79.35	555	95.83	685	97.65	745	93.91
300	0	430	89.59	560	95.93	690	97.47	750	93.52
305	0	435	94.06	565	95.83	695	97.15	755	93.22
310	0	440	95.99	570	96.36	700	96.97	760	93.01
315	0	445	97.61	575	96.66	705	96.82	765	92.59
320	0.05	450	97.94	580	96.9	710	96.61	770	92.07
325	0.01	455	97.84	585	96.96	715	96.42	775	91.62
330	0.12	460	97.8	590	96.89	720	96.18	780	91.23
335	0.14	465	98.19	595	97.17	725	95.68	785	91.01
340	0.24	470	98.22	600	97.33	730	95.48		
345	0.19	475	98.18	605	97.39	735	95.01		
350	0.25	480	97.93	610	97.69	740	94.55		
355	0.24	485	97.94	615	97.76	745	93.91		
360	0.36	490	97.55	620	97.63	750	93.52		
365	0.26	495	97.6	625	97.53	755	93.22		
370	0.3	500	97.11	630	97.86	760	93.01		
375	0.38	505	97.05	635	97.84	765	92.59		
380	0.45	510	96.93	640	97.66	770	92.07		
385	0.5	515	96.55	645	97.68	775	91.62		
390	0.7	520	96.46	650	97.88	780	91.23		
395	0.68	525	96.22	655	98.31	785	91.01		

Ranges



- dia 70
- dia 65
- dia 75