



Single Vision - Fact Sheets

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PRODUCT FACT SHEET

Product Name	synchrony Semi-Finished SV AS 1.67
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Customer Product Codes

Product:	CAT Code:	LGC:	LGC Description:	Notes:	FDA:
HC	767	L2154	SYNC SF SV AS 167 HC -D-	Country of Origin required on Label	Yes, US FDA disclaimer Required

Product OPCs

Nominal Base Curve	L2154 HC	Nominal Base Curve	L2154 HC
0.50	5111200019	5.25	5111200068
1.25	5111200027	6.25	5111200076
2.50	5111200035	7.25	5111200084
3.25	5111200043	8.25	5111200092
4.00	5111200050	9.25	5111200100

Product Range: All Product 73mm diameter

Nominal Base Curve (D)	Recommended Rx Range (D)	Nominal Base Curve (D)	Recommended Rx Range (D)
0.50	-12.00 to -8.00	5.25	+3.25 to +4.00
1.25	-7.75 to -4.25	6.25	+4.25 to +5.00
2.50	-4.00 to -0.75	7.25	+5.25 to +6.00
3.25	-0.50 to +1.50	8.25	+6.25 to +7.00
4.00	+1.75 to +3.00	9.25	+7.25 to +8.00

Material & Coating Specifications:

Type	1.67 (MR10)
Refractive Index	$n_d = 1.661$ $n_e = 1.666$
Abbe Number	$v_d = 32$ $v_e = 32$
Density	1.37 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % Coated & Activated, 2.0 mm Centre Thickness
Coating Type	Hard Coated

Lens Geometry:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0 mm)	Nominal Edge Thickness (mm)	Packaged Weight (g)
0.50	0.70	757.14	-6.00	9.5	16.5	79
1.25	1.21	438.02	-6.00	6.8	13.0	65
2.50	2.68	197.76	-6.00	5.5	9.9	55
3.25	2.94	180.27	-6.00	6.0	10.2	55
4.00	3.63	146.01	-6.00	7.1	10.7	55
5.25	5.03	105.37	-6.00	8.5	10.3	56
6.25	6.35	83.47	-6.00	9.0	8.9	58
7.25	7.37	71.91	-6.00	10.3	8.7	62
8.25	8.39	63.17	-6.00	10.7	7.4	60
9.25	9.41	56.32	-6.00	12.0	7.0	59

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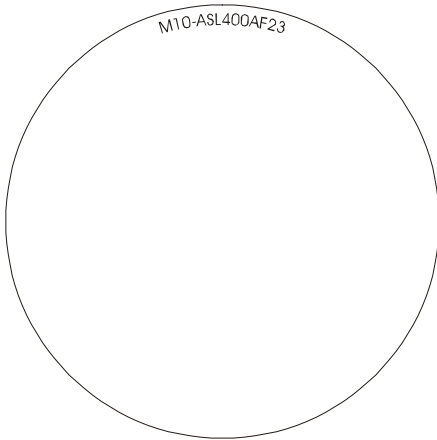
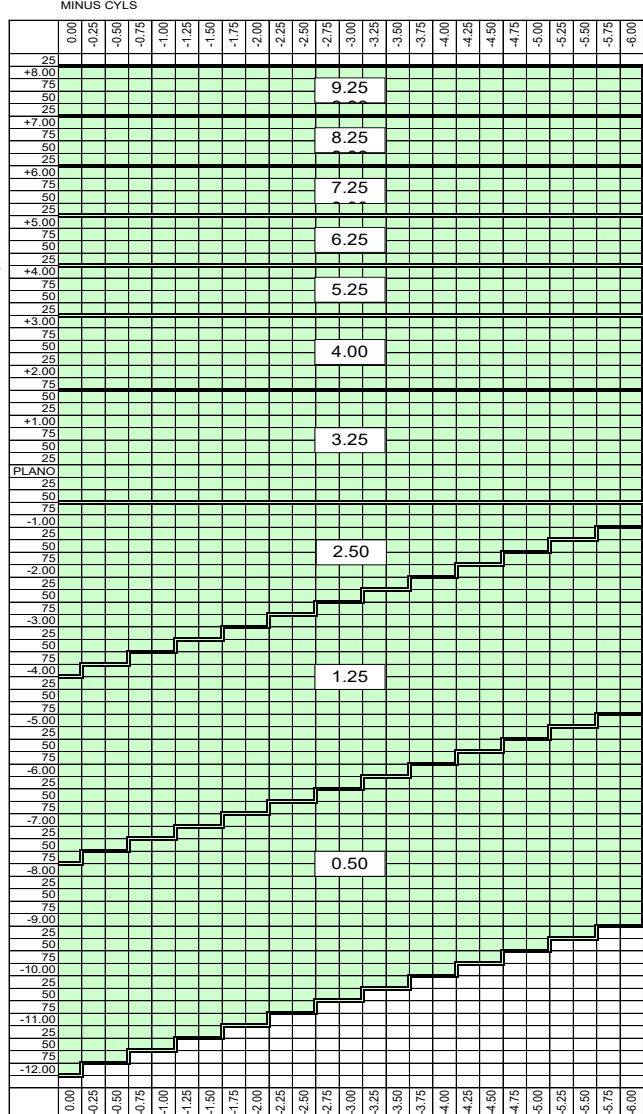

Product Name	synchrony Semi-Finished SV AS 1.67
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Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-12.00 to -2.00	1.5	
-1.75 to +1.25	2.0 or *	1.0 *
+1.50 to +3.75		1.0
+4.00 to +8.00		0.5

* Thicknesses are based on whichever is the limiting factor

Product Markings: Ink Markings: None

<p>Front Surface Curve: Top Code Only</p> 	<p>Recommended Base Curve Selection Chart:</p> 
<p>Back Surface Curve: Cast on Visible Code:</p> 	

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PRODUCT FACT SHEET

Product Name	synchroxy Semi-Finished SV AS 1.67 Photochromic
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Customer Product Codes

Product:	CAT Code:	LGC:	LGC Description:	Notes:	FDA:
Gray HC	F31	L6149	SYNC SF SV ASL 167 PH GRY HC -D-	Country of Origin required on Label	Yes, US FDA disclaimer Required
Brown HC	F32	L6150	SYNC SF SV ASL 167 PH BRN HC -D-		

Product OPCs

Nominal Base Curve	L6149 Gray HC	L6150 Brown HC	Nominal Base Curve	L6149 Gray HC	L6150 Brown HC
0.50	5117102565	5117102664	5.25	5117102615	5117102714
1.25	5117102573	5117102672	6.25	5117102623	5117102722
2.50	5117102581	5117102680	7.25	5117102631	5117102730
3.25	5117102599	5117102698	8.25	5117102649	5117102748
4.00	5117102607	5117102706	9.25	5117102656	5117102755

Product Range: All Product 73mm diameter

Nominal Base Curve (D)	Recommended Rx Range (D)	Nominal Base Curve (D)	Recommended Rx Range (D)
0.50	-12.00 to -8.00	5.25	+3.25 to +4.00
1.25	-7.75 to -4.25	6.25	+4.25 to +5.00
2.50	-4.00 to -0.75	7.25	+5.25 to +6.00
3.25	-0.50 to +1.50	8.25	+6.25 to +7.00
4.00	+1.75 to +3.00	9.25	+7.25 to +8.00

Material & Coating Specifications:

Type	1.67 (MR10)
Refractive Index	$n_d = 1.661$ $n_e = 1.666$
Abbe Number	$v_d = 32$ $v_e = 32$
Density	1.37 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % Coated & Activated, 2.0 mm Centre Thickness
Coating Type	Hard Coated

Lens Geometry:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0 mm)	Nominal Edge Thickness (mm)
0.50	0.69	768.12	-6.00	9.5	16.5
1.25	1.22	434.43	-6.00	6.8	13.0
2.50	2.67	198.50	-6.00	5.5	9.9
3.25	2.92	181.51	-6.00	6.0	10.2
4.00	3.62	146.41	-6.00	7.1	10.7
5.25	4.99	106.21	-6.00	8.5	10.3
6.25	6.30	84.13	-6.00	9.0	8.9
7.25	7.35	72.11	-6.00	10.3	8.7
8.25	8.35	63.47	-6.00	10.7	7.4
9.25	9.35	56.68	-6.00	12.0	7.0

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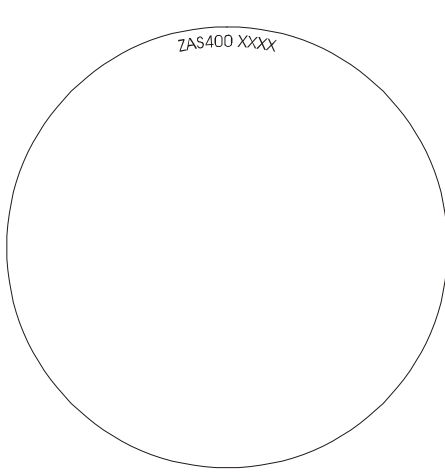
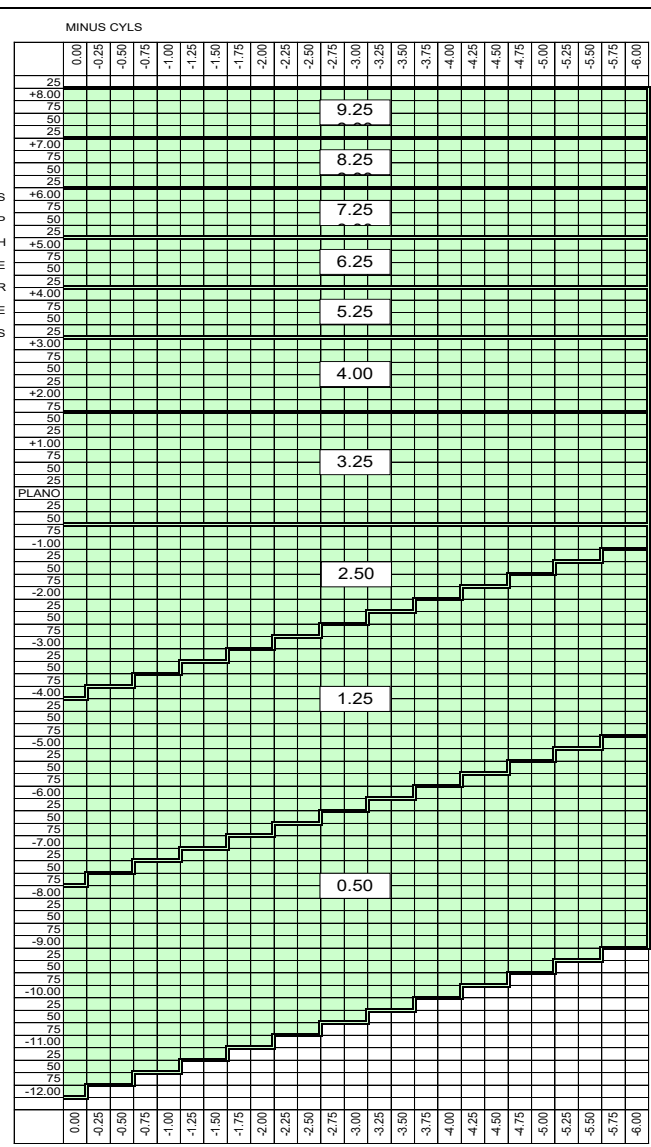

Product Name synchrony Semi-Finished SV AS 1.67 Photochromic

Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-12.00 to -2.00	1.5	
-1.75 to +1.25	2.0 or *	1.0 *
+1.50 to +3.75		1.0
+4.00 to +8.00		0.5

* Thicknesses are based on whichever is the limiting factor

Product Markings: **Ink Markings:** None

<p>Front Surface Curve: Top Code Only</p> 	<p>Recommended Base Curve Selection Chart:</p> 
<p>Back Surface Curve: Cast on Visible Code:</p> 	

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PRODUCT FACT SHEET



Product Name	ZEISS Semi-Finished Aspheric Single Vision 1.59 Light Protection
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1. Customer Product Codes:

Product:	LGC:	LGC Description:	CAT Code:
Coated HA	L7038	ZEISS SF SV AS 159 HA U--	A25
Coated PG	L7039	ZEISS SF SV AS 159 PG U--	A26

OPC's

Base Curve	HA Coated	PG Coated
1.00	5402543317	5402561707
2.00	5402543325	5402561715
3.00	5402543333	5402561723
3.75	5402543341	5402561731
4.75	5402543358	5402561749
5.75	5402543366	5402561756
6.50	5402543374	5402561764
7.25	5402543382	5402561772
8.00	5402543390	5402561780

2. Product Range

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
80	1.00	-10.00 to -6.00
80	2.00	-5.75 to -4.00
80	3.00	-3.75 to -2.00
80	3.75	-1.75 to 0.00
80	4.75	+0.25 to +2.00
80	5.75	+2.25 to +3.00
80	6.50	+3.25 to +4.00
80	7.25	+4.25 to +5.00
80	8.00	+5.25 to +6.00

3. Material & Coating Specifications:

Type	<i>1.59 Polycarbonate ZEISS Light Protection</i>
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$V_d = 30$ $V_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Hard Coated, Hart and PG

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PRODUCT FACT SHEET



Product Name

ZEISS Semi-Finished Aspheric Single Vision 1.59 Light Protection

4. Lens Geometry:

Nominal Base (D)	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0 mm)	Nominal Edge Thickness at 'A' (mm)
1.00	1.07	495.33	-5.75	10.7	18.7
2.00	1.99	266.33	-5.75	10.7	17.5
3.00	2.88	184.03	-5.75	10.7	16.6
3.75	3.77	140.58	-5.75	10.7	15.0
4.75	4.72	112.29	-5.75	10.7	13.7
5.75	5.59	94.81	-5.75	10.7	12.3
6.50	6.44	82.30	-8.00	9.8	13.8
7.25	7.24	73.20	-8.00	10.4	12.5
8.00	8.09	65.51	-8.00	12.0	12.5

5. Product Markings:

Front Surface: Top Code only	Ink Markings:	Back Surface: Coding
	None	

6. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	USA Market Minimum Centre Thickness	Int'l Market Minimum Centre Thickness (mm)	All Markets Minimum Edge Thickness (mm)
High Minus to -2.00	1.5	1.2	
-1.75 to +2.00	2.0 or *	2.0 or *	1.3 *
+2.25 to High Plus			1.3

* Thicknesses are based on whichever is the limiting factor

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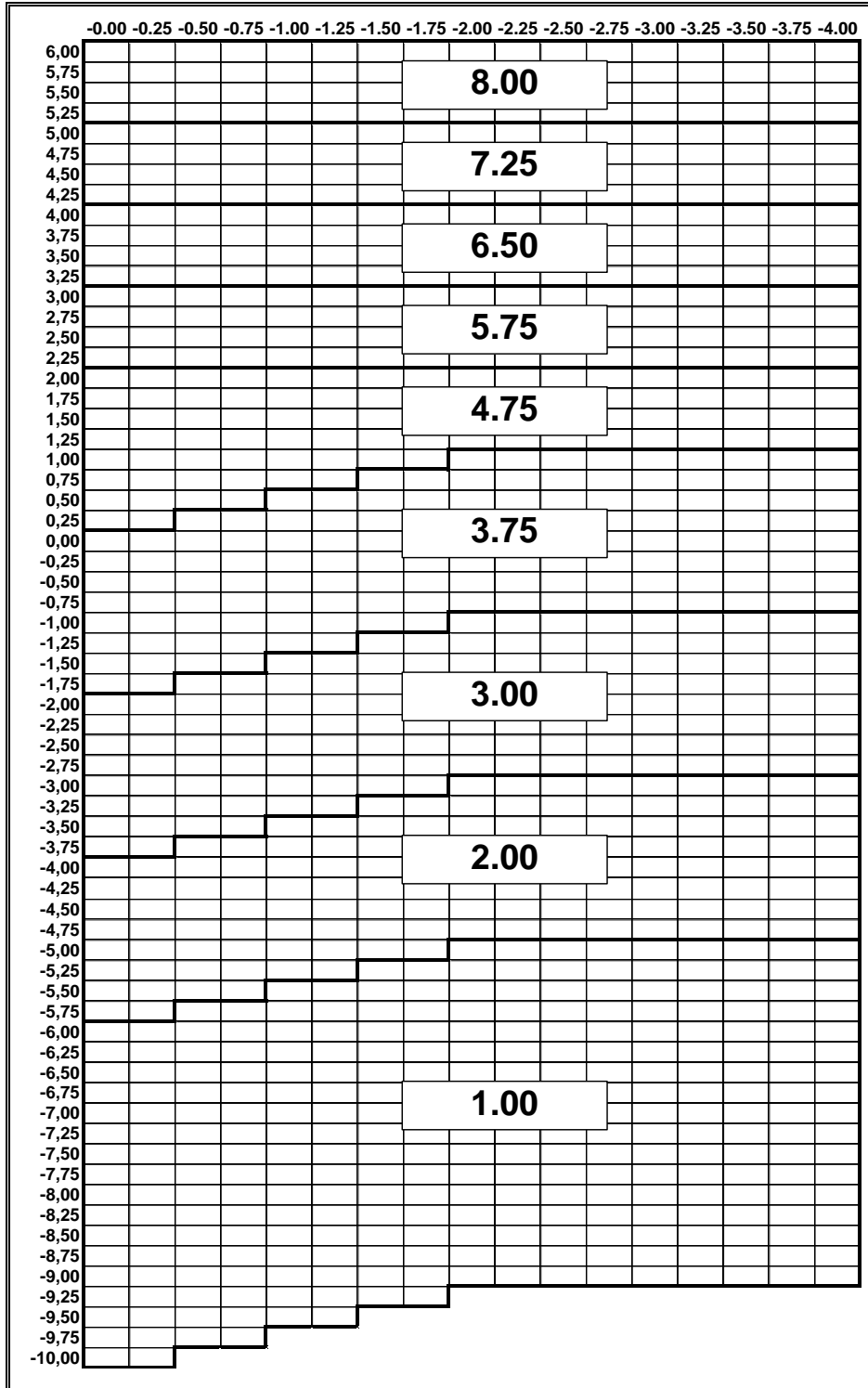
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Product Name

ZEISS Semi-Finished Aspheric Single Vision 1.59 Light Protection

7. Recommended Base Curve Selection Chart:



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PRODUCT FACT SHEET

Product Name	synchroNY Semi-Finished SV AS 1.59
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Customer Product Codes

Product:	CAT Code:	LGC:	LGC Description:	Notes:	FDA:
PG	782	L2195	SYNC SF SV AS 159 PG ---	Country of Origin required on Label	Yes, US FDA disclaimer Required
HC	327	L2089	SYNC SF SV AS 159 HC ---		

Product OPCs

Nominal Base Curve	L2195 PG	L2089 HC	Nominal Base Curve	L2195 PG	L2089 HC
1.00	0102201613	0102206513	5.75	0102201662	0102206562
2.00	0102201621	0102206521	6.50	0102201670	0102206570
3.00	0102201639	0102206539	7.25	0102201688	0102206588
3.75	0102201647	0102206547	8.00	0102201696	0102201704
4.75	0102201654	0102206554			

Product Range: All Product 80mm diameter

Nominal Base Curve (D)	Recommended Rx Range (D)	Nominal Base Curve (D)	Recommended Rx Range (D)
1.00	-10.00 to -6.00	5.75	+2.25 to +3.00
2.00	-5.75 to -4.00	6.50	+3.25 to +4.00
3.00	-3.75 to -2.00	7.25	+4.25 to +5.00
3.75	-1.75 to Plano	8.00	+5.25 to +6.00
4.75	+0.25 to +2.00		

Material & Coating Specifications:

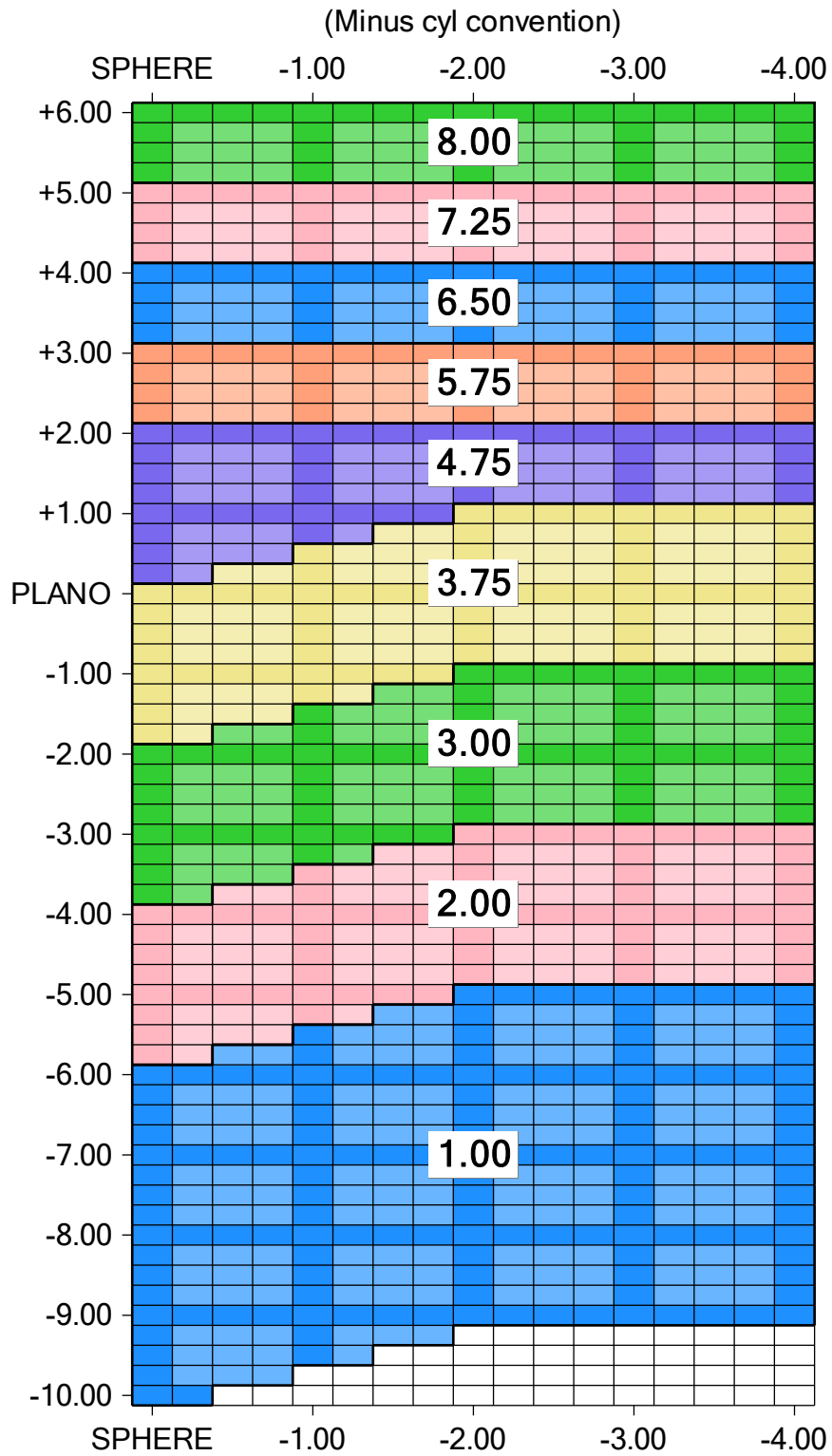
Type	1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % Coated & Activated, 2.0 mm Centre Thickness
Coating Type	PG & Hard Coated

Lens Geometry:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Central Curve Sag @ 50mm (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0mm)	Nominal Edge Thickness (mm)	Packaged Weight (g)
1.00	1.07	495.33	0.63	-5.75	10.7	17.8	93
2.00	1.99	266.33	1.18	-5.75	10.7	16.5	89
3.00	2.88	184.03	1.71	-5.75	10.7	15.3	85
3.75	3.77	140.58	2.24	-5.75	10.7	13.9	81
4.75	4.72	112.29	2.82	-5.75	10.7	12.6	77
5.75	5.59	94.81	3.36	-5.75	10.7	11.2	73
6.50	6.44	82.29	3.89	-8.00	9.5	12.8	73
7.25	7.24	73.20	4.40	-8.00	10.4	12.2	74
8.00	8.09	65.51	4.96	-8.00	11.7	11.8	78

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RX Range Chart:



PRODUCT FACT SHEET

Product Name	synchroxy Semi-Finished SV AS 1.59 Photochromic
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Customer Product Codes

Product:	CAT Code:	LGC:	LGC Description:	Notes:	FDA:
Gray HC	F27	L6145	SYNC SF SV AS 159 PH GRY HC ---	Country of Origin required on Label	Yes, US FDA disclaimer Required
Brown HC	F28	L6146	SYNC SF SV AS 159 PH BRN HC ---		

Product OPCs

Nominal Base Curve	L6145 Gray HC	L6146 Brown HC	Nominal Base Curve	L6145 Gray HC	L6146 Brown HC
1.00	5117102227	5117102318	5.75	5117102276	5117102367
2.00	5117102235	5117102326	6.50	5117102284	5117102375
3.00	5117102243	5117102334	7.25	5117102292	5117102383
3.75	5117102250	5117102342	8.00	5117102300	5117102391
4.75	5117102268	5117102359			

Product Range: All Product 78mm diameter

Nominal Base Curve (D)	Recommended Rx Range (D)	Nominal Base Curve (D)	Recommended Rx Range (D)
1.00	-10.00 to -6.00	5.75	+2.25 to +3.00
2.00	-5.75 to -4.00	6.50	+3.25 to +4.00
3.00	-3.75 to -2.00	7.25	+4.25 to +5.00
3.75	-1.75 to Plano	8.00	+5.25 to +6.00
4.75	+0.25 to +2.00		

Material & Coating Specifications:

Type	1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % Coated & Activated, 2.0 mm Centre Thickness
Coating Type	Hard Coated

Lens Geometry:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Central Curve Sag @ 50mm (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0mm)	Nominal Edge Thickness (mm)	Packaged Weight (g)
1.00	1.08	490.74	0.637	-5.75	10.7	17.8	93
2.00	2.00	265.0	1.182	-5.75	10.7	16.5	89
3.00	2.89	183.39	1.712	-5.75	10.7	15.3	85
3.75	3.78	140.21	2.247	-5.75	10.7	13.9	81
4.75	4.73	112.05	2.825	-5.75	10.7	12.6	77
5.75	5.60	94.64	3.362	-5.75	10.7	11.2	73
6.50	6.45	82.17	3.895	-8.00	9.5	12.8	73
7.25	7.26	73.0	4.414	-8.00	10.4	12.2	74
8.00	8.11	65.35	4.971	-8.00	11.7	11.8	78

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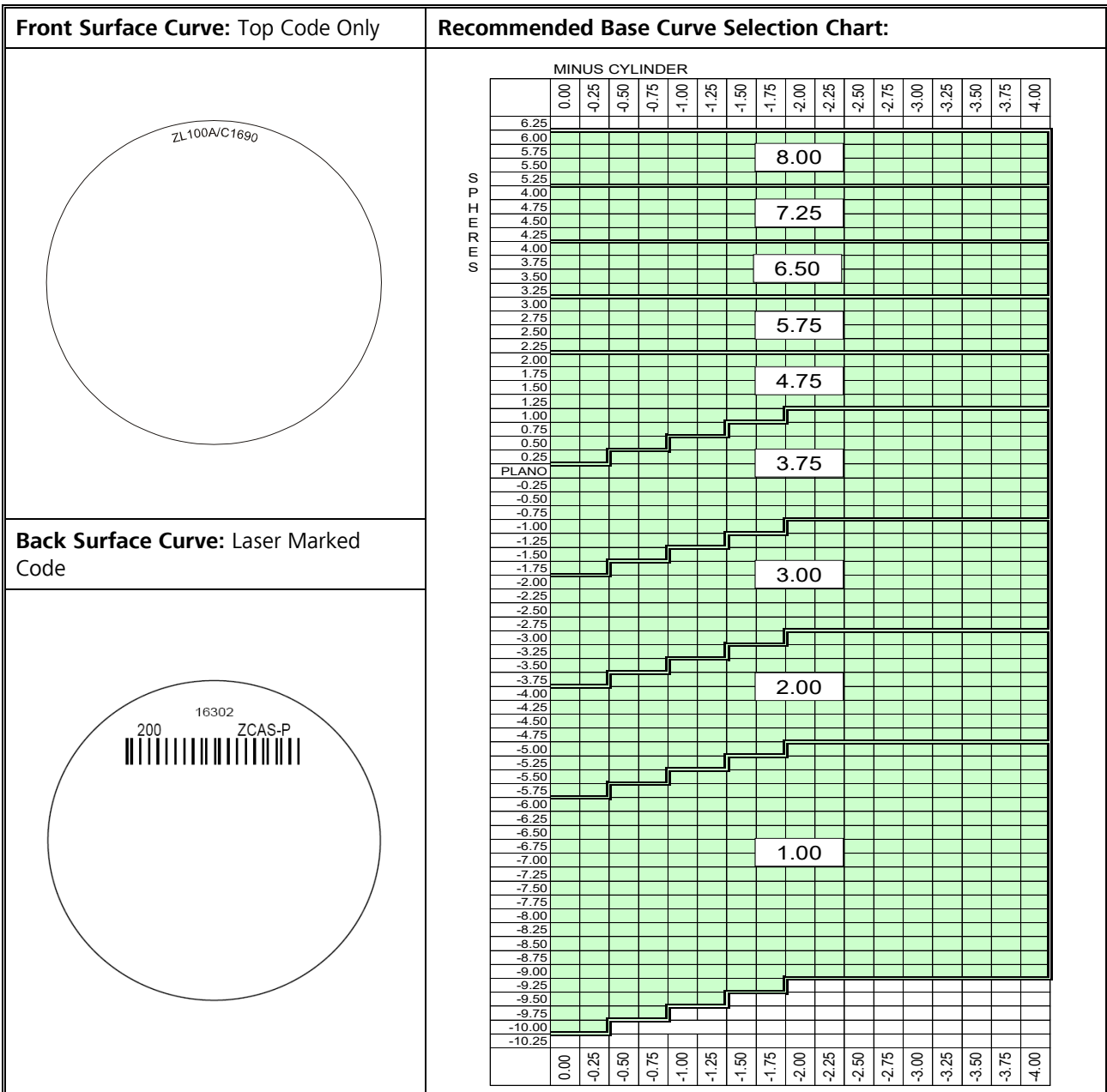
Product Name synchrony Semi-Finished SV AS 1.59 Photochromic

Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-10.00 to -2.00	1.5	
-1.75 to +2.00	1.5 or *	1.5 *
+2.25 to +6.00		1.5

* Thicknesses are based on whichever is the limiting factor

Product Markings: **Ink Markings:** None



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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.59 Transitions Vantage

1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Grey Polarised HC	L6290	SYNC SF SV SPH 159 TV GRY HC IE-	R84

OPCs: * denotes thick version of 7.01 base

Base Code	Grey Polarized HC LGC: L6290	Base Code	Grey Polarized HC LGC: L6290
0.50	5114620437	6.00	5114620494
1.00	5114620445	7.00	5114620502
2.00	5114620452	7.01*	5114620510
3.00	5114620460	7.10	5114620528
4.00	5114620478	7.80	5114620536
5.00	5114620486	8.00	5114620544

2. Product Range: Refer also Base Curve Selection Chart section 7.

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)	
72	0.50	-12.00	to -10.75
72	1.00	-10.50	to -8.75
72	2.00	-8.50	to -6.75
72	3.00	-6.50	to -5.00
72	4.00	-4.75	to -3.25
72	5.00	-3.00	to -1.50
72	6.00	-1.50	to +1.25
72	7.00	+1.50	to +3.00
72	7.80	+3.25	to +4.75
72	8.00	+5.00	to +6.50

3. Material & Coating Specifications:

Type	Polycarbonate 1.59	
Refractive Index	$n_d = 1.586$	$n_e = 1.590$
Abbe Number	$v_d = 30$	$v_e = 29$
Density	1.20 g/cm ³	
UV Protection (ISO)	UVA: 100 %, UVB: 100 % 2.0 mm Centre Thickness	
Coating Type	Hard Coated	

4. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.0	
-1.75 to +2.00	2.0 or *	1.0 *
+2.25 to +4.00		1.0
+4.25 to High Plus		0.5

* Thicknesses are based on whichever is the limiting

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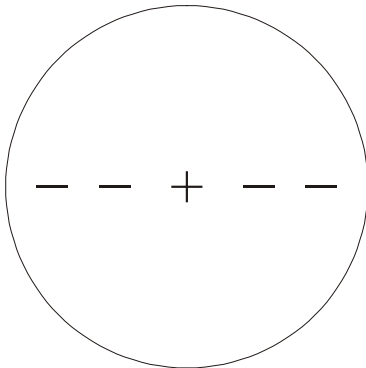
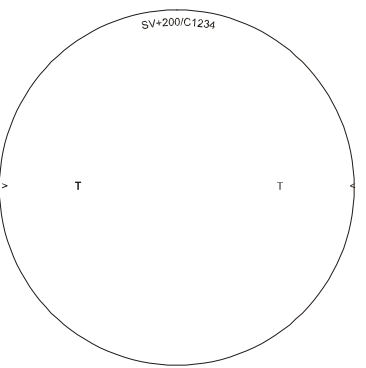

Product Name

synchrony Semi-Finished Single Vision Spherical 1.59 Transitions Vantage

5. Lens Geometry:

Nominal Base (D)	Radius (mm)	True Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (±1.0mm)	Nominal Edge Thickness (mm)
0.50	746.48	0.71	-5.75	10.4	16.9
1.00	407.69	1.30	-5.75	9.4	15.1
2.00	250.00	2.12	-5.75	8.9	13.6
3.00	171.52	3.09	-5.75	8.4	11.9
4.00	131.51	4.03	-5.75	8.4	10.7
5.00	105.58	5.02	-5.75	8.4	9.4
6.00	93.97	5.64	-5.75	8.4	8.5
7.00	81.92	6.47	-5.75	8.4	7.3
7.01*	81.29	6.52	-8.00	10.5	12.7
7.10	74.23	7.14	-8.00	9.0	10.3
7.80	67.86	7.81	-8.00	9.0	9.3
8.00	62.43	8.49	-8.00	9.4	8.6

6. Product Markings:

Front Surface Ink Markings	Front Surface Semi-visible Markings	Back surface markings
		
<ul style="list-style-type: none"> Axis alignment ink marking indicating horizontal polarised axis orientation (Yellow) 	<ul style="list-style-type: none"> Cast on semi visible Code identifying material, base curve and unique ID. Due to the thickness of the coating treatment this code may become obscure Transitions applied semi-visible "T" symbols positioned 20mm from centre and "> ,<" markings at the edge of the blank indicating horizontal polarised axis orientation 	<ul style="list-style-type: none"> Laser applied visible barcode and text indicating, Base Code, Barcode and number and Product Code. Mould tracking code eg C1234 Semi-visible Transitions applied 2d matrix code and text identifying base curve.

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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.59 Transitions Vantage

7. Base Curve Selection Chart

Polycarbonate Base Selection	CYL (Minus cyl convention)																
	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00	-2.25	-2.50	-2.75	-3.00	-3.25	-3.50	-3.75	-4.00
6.50																	
6.25								800									
6.00																	
5.75																	
5.50																	
5.25																	
5.00								780									
4.75																	
4.50																	
4.25																	
4.00																	
3.75																	
3.50																	
3.25								700									
3.00																	
2.75																	
2.50																	
2.25																	
2.00																	
1.75																	
1.50																	
1.25																	
1.00								600									
0.75																	
0.50																	
0.25																	
0.00																	
-0.25																	
-0.50																	
-0.75																	
-1.00																	
-1.25								500									
-1.50																	
-1.75																	
-2.00																	
-2.25																	
-2.50																	
-2.75																	
-3.00								400									
-3.25																	
-3.50																	
-3.75																	
-4.00																	
-4.25																	
-4.50																	
-4.75								300									
-5.00																	
-5.25																	
-5.50																	
-5.75																	
-6.00																	
-6.25																	
-6.50																	
-6.75								200									
-7.00																	
-7.25																	
-7.50																	
-7.75																	
-8.00																	
-8.25																	
-8.50																	
-8.75								100									
-9.00																	
-9.25																	
-9.50																	
-9.75																	
-10.00																	
-10.25																	
-10.50																	
-10.75																	
-11.00								050									
-11.25																	
-11.50																	
-11.75																	
-12.00																	

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PRODUCT FACT SHEET

Product Name	synchrony Semi-Finished Single Vision Spherical 1.59 (SV+)
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1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
PG Coated	L2062	SYNC SF SV SPH 159 PG ---	232
Hard Coated	L2143	SYNC SF SV SPH 159 HC ---	424

OPCs:

Base Code	PG Coated LGC: L2062	Hard Coated LGC: L2143
0.50	0102223302	0102227600
1.00	0102223310	0102227618
2.00	0102223328	0102227626
3.00	0102223336	0102227634
4.00	0102223344	0102227642
5.00	0102223351	0102227659
6.00	0102223369	0102227667
7.00	0102223377	0102227675
8.00	0102223385	0102227683

2. Product Range: Refer also Base Curve Selection Chart section 6.

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
74	0.50	-14.00 to -11.75
74	1.00	-11.50 to -9.50
74	2.00	-9.25 to -7.25
74	3.00	-7.00 to -5.00
74	4.00	-4.75 to -3.25
74	5.00	-3.00 to -1.75
74	6.00	-1.50 to +1.25
74	7.00	+1.50 to +3.00
74	8.00	+3.25 to +7.00

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PRODUCT FACT SHEET

Product Name synchrony Semi-Finished Single Vision Spherical 1.59 (SV+)

3. Material & Coating Specifications:

Type	Polycarbonate 1.59
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

4. Lens Geometry:

Nominal Base (D)	Radius (mm)	True Front Curve (D)	Central Curve Sag @ 50mm (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)
0.50	803.03	0.66	0.39	-5.75	10.4	17.5	82
1.00	410.85	1.29	0.76	-5.75	9.4	15.7	74
2.00	253.59	2.09	1.24	-5.75	8.9	14.1	69
3.00	172.64	3.07	1.82	-5.75	8.4	12.3	62
4.00	132.50	4.00	2.38	-5.75	8.4	11.0	59
5.00	106.00	5.00	2.99	-5.75	8.4	9.5	56
6.00	94.31	5.62	3.37	-5.75	8.4	8.6	53
7.00	82.04	6.46	3.90	-5.75	8.4	7.3	50
8.00	62.57	8.47	5.21	-8.00	9.4	8.6	56

5. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -1.50	1.5	
-1.25 to +2.00	1.8 or *	1.6 *
+2.25 to +3.00		1.0
+3.25 to High Plus		0.7

* Thicknesses are based on whichever is the limiting

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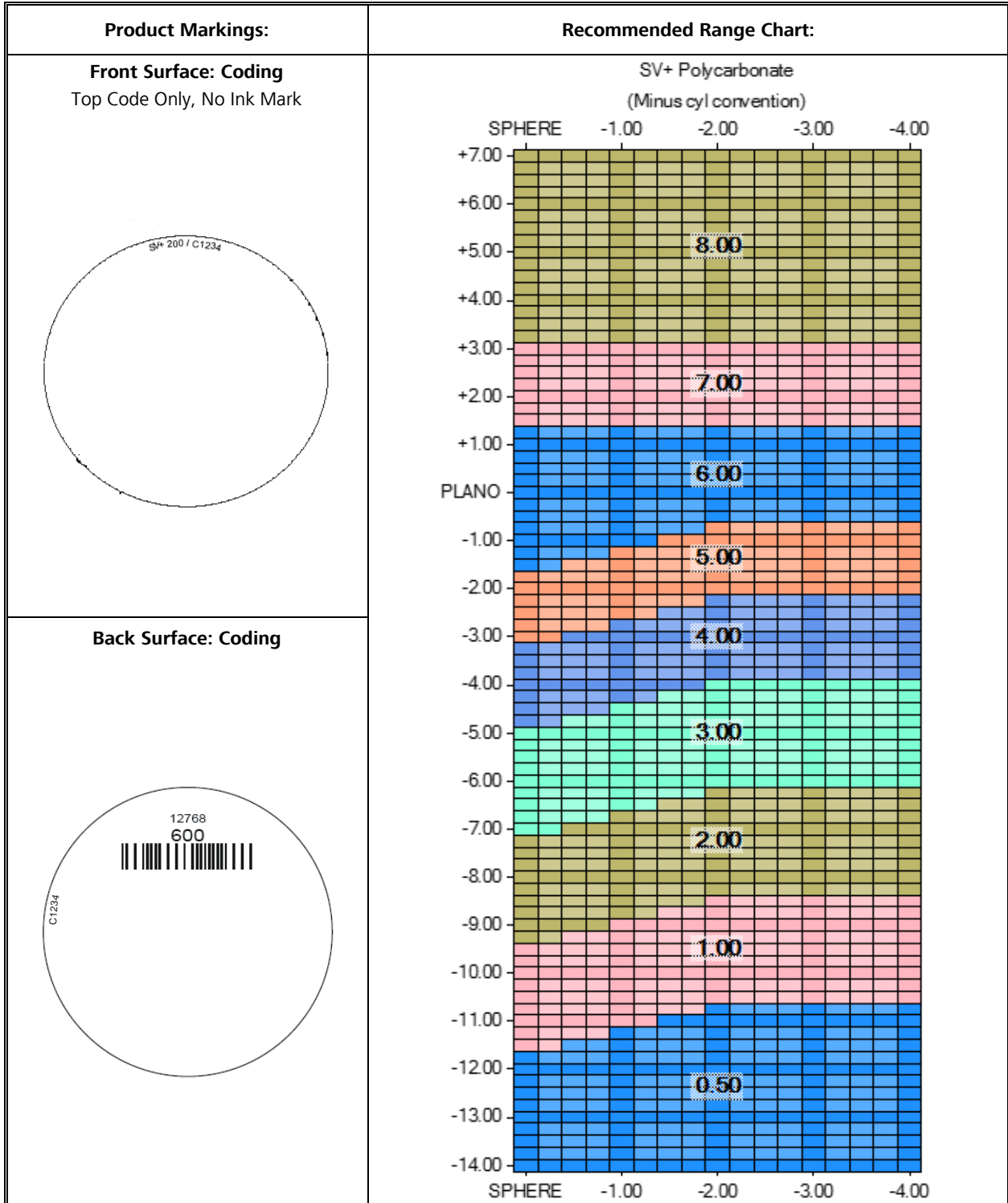
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Product Name

synchrony Semi-Finished Single Vision Spherical 1.59 (SV+)

6. Product Markings & Base Curve Selection Chart:



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PRODUCT FACT SHEET

Product Name	synchrony Semi-Finished Single Vision Spherical 1.59
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1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Hard Coated	L2201	SYNC SF SV SPH 159 PG ---	791

OPCs:

Base Code	Hard Coated LGC: L2201
0.50	5115300914
2.25	5115300930
4.50	5115300922
6.25	5115300948
8.00	5115300955

2. Product Range: Refer also Base Curve Selection Chart section 6.

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
74	0.50	-12.00 74 0.50
74	2.25	-10.50 74 2.25
74	4.50	-5,75 74 4.50
74	6.25	-1.75 74 6.25
74	8.00	+2.25 74 8.00

3. Material & Coating Specifications:

Type	Polycarbonate 1.59
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

4. Lens Geometry:

Nominal Base	True Front Curve 1.530 (D)	Radius (mm)	Nominal Back Curve (D)	Centre Thickness (±1.0mm)	Nominal Edge Thickness (mm)
0.50	0.60	883.33	-5.75	10.6	17.8
2.25	2.31	229.44	-5.75	8.8	13.7
4.50	4.51	117.52	-5.75	8.7	10.5
6.25	6.24	84.94	-5.75	9.2	8.5
8.00	8.01	66.17	-8.00	7.2	7.2

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Product Name

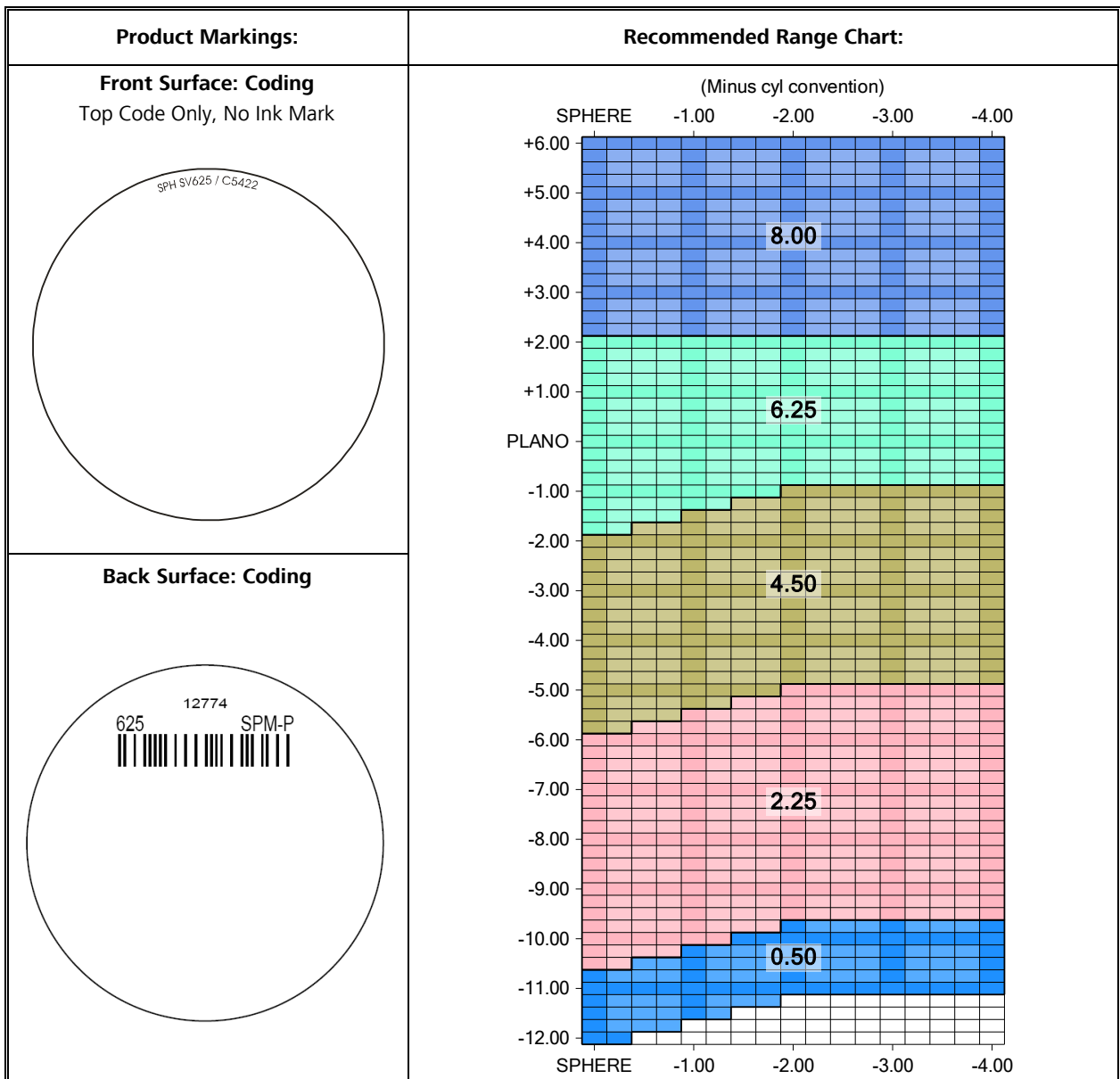
synchrony Semi-Finished Single Vision Spherical 1.59

5. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -1.50	1.5	
-1.25 to +2.00	1.8 or *	1.6 *
+2.25 to +3.00		1.0
+3.25 to High Plus		0.7

* Thicknesses are based on whichever is the limiting

6. Product Markings & Base Curve Selection Chart:



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PRODUCT FACT SHEET

Product Name	synchrony Semi-Finished Single Vision Spherical 1.59 Nupolar Polarized
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1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Polarized Grey HC	L2157	SYNC SF SV SPH 159 PL GRY HC F--	656

OPCs:

Base Code	Polarized Grey HC LGC: L2157
0.50	0102220548
2.25	0102220555
4.25	0102220563
6.25	0102220571
8.25	0102220589

2. Product Range: Refer also Base Curve Selection Chart

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
76	0.50	-9.50 to -6.75
76	2.25	-6.50 to -4.25
76	4.25	-4.00 to -1.50
76	6.25	-1.25 to +2.00
76	8.25	+2.25 to +6.00

3. Material & Coating Specifications:

Type	Polycarbonate 1.59 Polarized Grey 3
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

4. Lens Geometry:

Base	Radius (mm)	True Front Curve (D) (1.530)	True Front Curve (D) (1.586)	Central Curve Sag @ 50mm (mm)	Nominal Back Curve (D) (1.530)	Centre Thickness (±1.0mm)	Nominal Edge Thickness (mm)
0.50	1000.00	0.53	0.59	0.31	-4.25	8.5	14.0
2.25	232.46	2.28	2.52	1.35	-4.25	9.7	12.8
4.25	123.83	4.28	4.73	2.55	-6.25	9.8	13.1
6.25	84.39	6.28	6.94	3.79	-6.25	9.8	9.9
8.25	64.08	8.27	9.14	5.08	-9.50	10.0	13.0

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Product Name

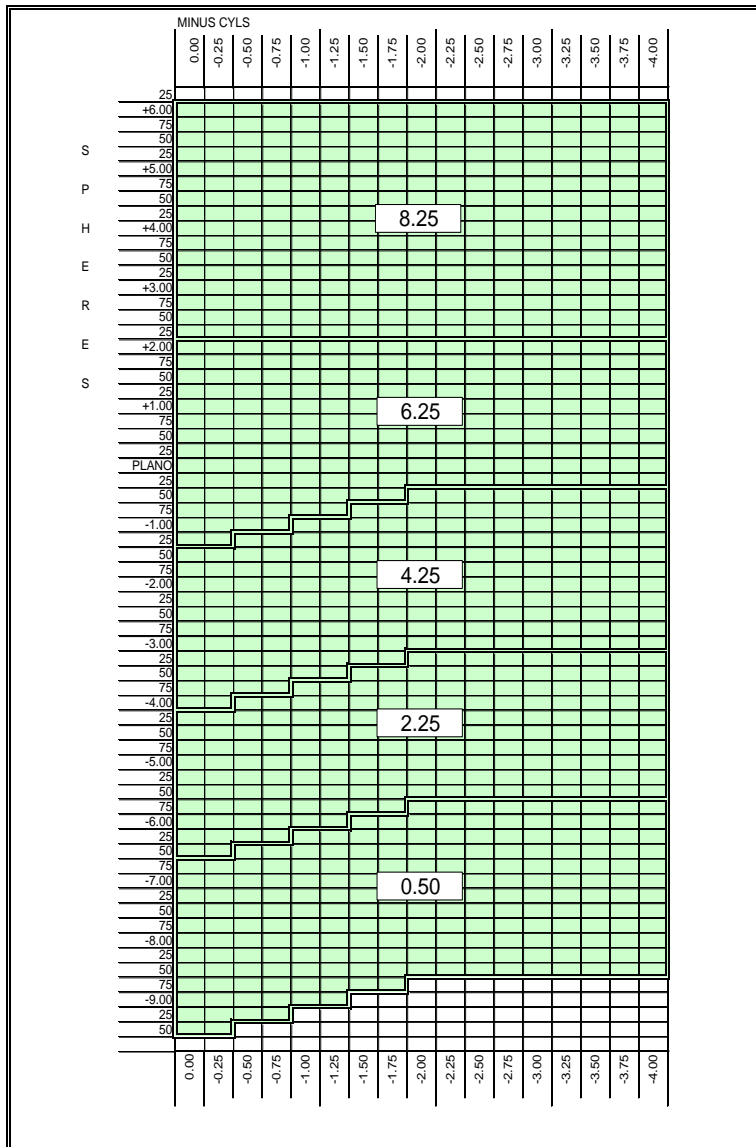
synchrony Semi-Finished Single Vision Spherical 1.59 Nupolar Polarized

5. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	1.4	
-1.75 to +2.00	1.4 or *	1.4*
+2.25 to High Plus		1.4

* Thicknesses are based on whichever is the limiting

6. Base Curve Selection Chart:



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PRODUCT FACT SHEET

Product Name	synchrony Semi-Finished Single Vision Spherical 1.53 Trivex
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1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
UNC	L6657	SYNC SF SV SPH 153 UNC ---	N25
HC	L6658	SYNC SF SV SPH 153 HC ---	N26

OPCs:

Base Code	UNC LGC- L6657	HC LGC- L6658
0.50	5117817600	5117817691
1.25	5117817618	5117817709
2.25	5117817626	5117817717
3.25	5117817634	5117817725
4.25	5117817642	5117817733
5.25	5117817659	5117817741
6.25	5117817667	5117817758
7.25	5117817675	5117817766
8.25	5117817683	5117817774

2. Material & Coating Specifications:

Type	Trivex 1.53
Refractive Index	$n_d = 1.527$ $n_e = 1.530$
Abbe Number	$V_d = 43$ $V_e = 45$
Density	1.11 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

3. Lens Geometry:

Product Base Code	Nominal Diameter (mm)	Front TFC Surface (D)	Front Surface (Radius mm)	Nominal Back (Non-casting) Surface (D)	Centre Thickness (±1.0mm)	Nom. Edge Thickness
0.50	76	0.49	1081.63	4.25	12.5	17.1
1.25	76	1.25	424.00	4.25	10.8	14.4
2.25	76	2.26	234.51	4.25	12.3	14.6
3.25	76	3.26	162.58	4.25	13.4	14.3
4.25	76	4.23	125.30	4.25	14.8	14.5
5.25	76	5.33	99.44	6.25	6.8	7.7
6.25	76	6.24	84.94	6.25	8.1	7.4
7.25	76	7.33	72.31	6.25	9.8	7.5
8.25	76	8.27	64.09	6.25	11.3	7.3

4. Product Markings: None

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Product Name

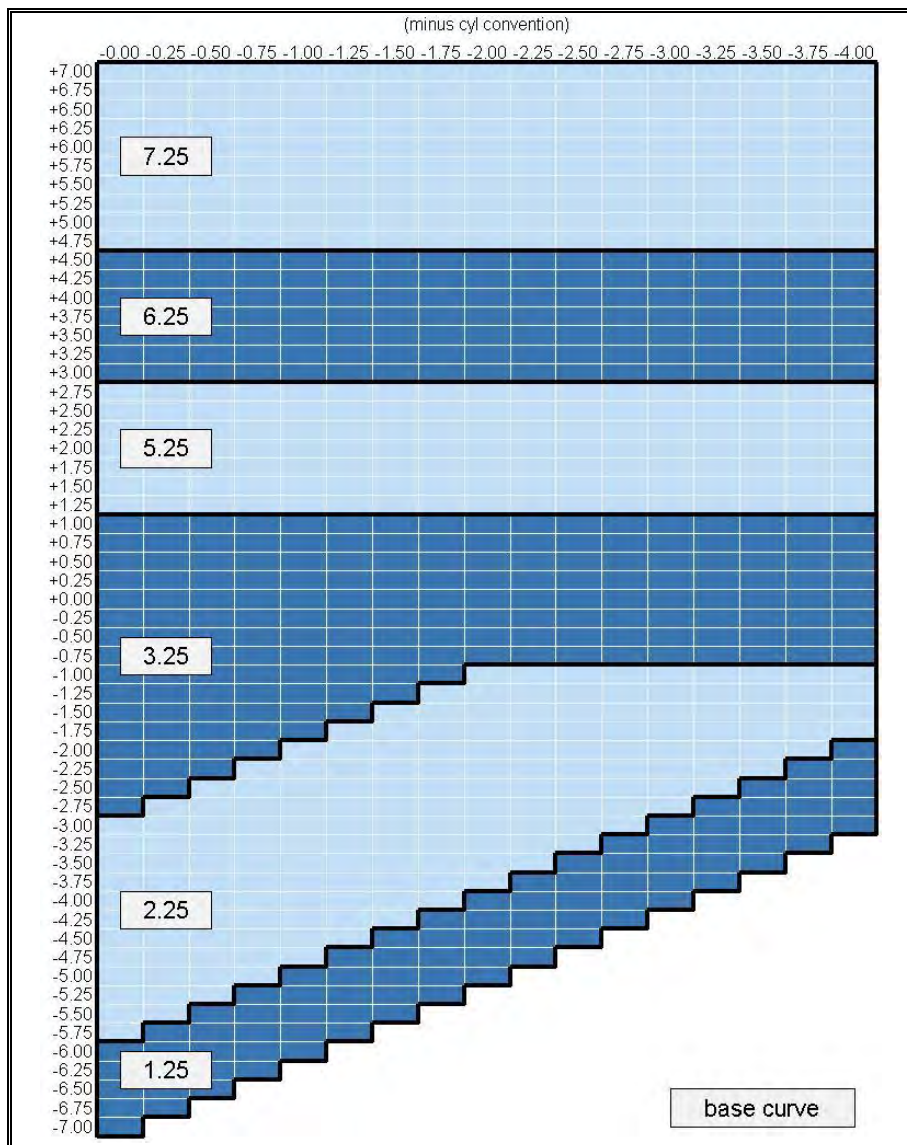
synchrony Semi-Finished Single Vision Spherical 1.53 Trivex

5. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.0	
-1.75 to +2.00	2.0 or *	1.0 *
+2.25 to +4.00		1.0
+4.25 to High Plus		0.5

* Thicknesses are based on whichever is the limiting

6. Recommended Base Curve Selection Chart:



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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.53 Trivex
Transitions Signature VII

1. Customer Product Codes

Product:	LGC:	LGC Description:	Notes:	FDA:	CAT Code:
Grey HC	L6659	SYNC SF SV SPH 153 TR GRY HC D--	COO required	Yes, disclaimer required	N27
Brown HC	L6660	SYNC SF SV SPH 153 TR BRN HC D--			N28
Grey UNC	L6661	SYNC SF SV SPH 153 TR GRY UNC D--			N29
Brown UNC	L6662	SYNC SF SV SPH 153 TR BRN UNC D--			N30

OPCs:

Base Code	Brown UNC LGC- L6662	Brown HC LGC- L6660	Grey UNC LGC- L6661	Grey HC LGC- L6659
0.50	5117818053	5117817873	5117817964	5117817782
1.25	5117818061	5117817881	5117817972	5117817790
2.25	5117818079	5117817899	5117817980	5117817808
3.25	5117818087	5117817907	5117817998	5117817816
4.25	5117818095	5117817915	5117818004	5117817824
5.25	5117818103	5117817923	5117818012	5117817832
6.25	5117818111	5117817931	5117818020	5117817840
7.25	5117818129	5117817949	5117818038	5117817857
8.25	5117818137	5117817956	5117818046	5117817865

2. Material & Coating Specifications:

Type	Trivex 1.53
Refractive Index	$n_d = 1.527$ $n_e = 1.530$
Abbe Number	$V_d = 43$ $V_e = 45$
Density	1.11 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

3. Lens Geometry:

Product Base Code	Nominal Diameter (mm)	Front TFC Surface (D)	Front Surface (Radius mm)	Nominal Back Surface (D)	Centre Thickness ±1.0mm	Nom. Edge Thickness
0.50	76	0.49	1081.63	4.25	12.5	17.1
1.25	76	1.25	424.00	4.25	10.8	14.4
2.25	76	2.26	234.51	4.25	12.3	14.6
3.25	76	3.26	162.58	4.25	13.4	14.3
4.25	76	4.23	125.30	4.25	14.8	14.5
5.25	76	5.35	99.07	6.25	6.8	7.7
6.25	76	6.27	84.53	6.25	8.1	7.4
7.25	76	7.34	72.21	6.25	9.8	7.5
8.25	76	8.28	64.01	6.25	11.3	7.3

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Product Name

synchrony Semi-Finished Single Vision Spherical 1.53 Trivex
Transitions Signature VII

4. Product Markings:

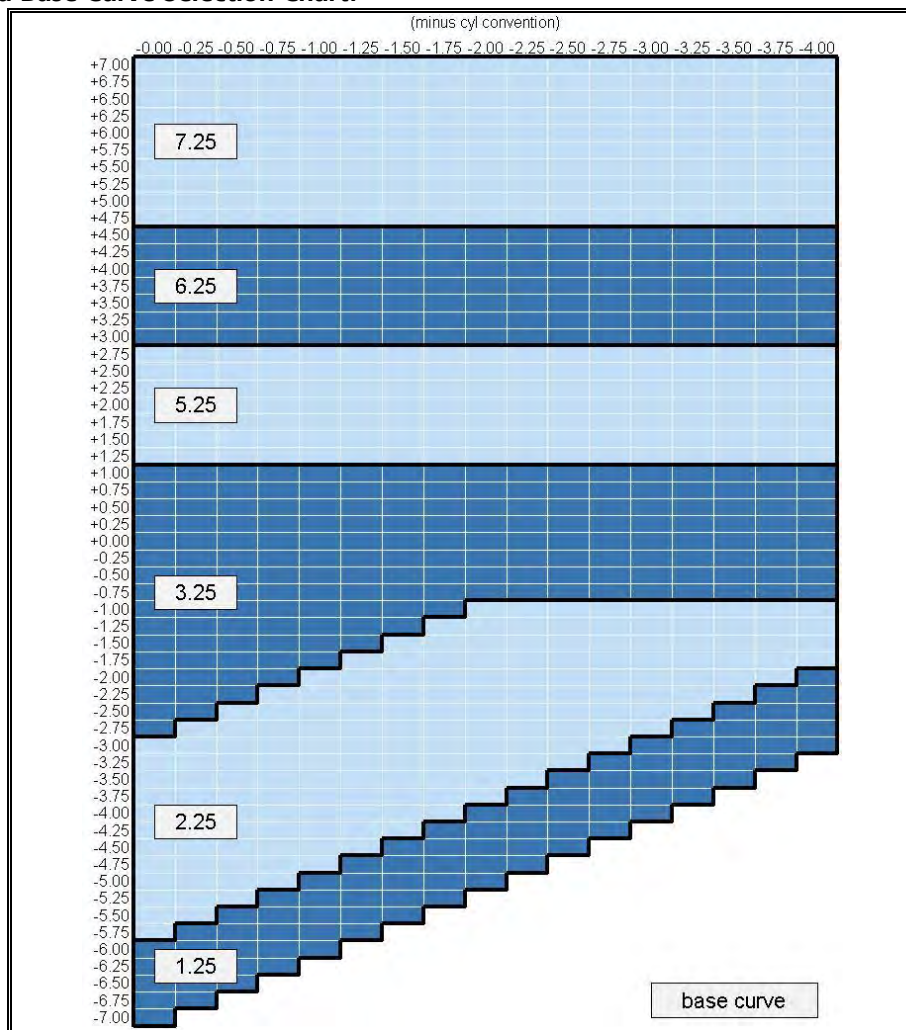
Front Surface Markings:	Back Surface Markings:	Front Surface Ink Markings:
None	Transitions applied 2d matrix code and text identifying nominal base	None

5. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.0	
-1.75 to +2.00	2.0 or *	1.0 *
+2.25 to +4.00		1.0
+4.25 to High Plus		0.5

* Thicknesses are based on whichever is the limiting

6. Recommended Base Curve Selection Chart:



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PRODUCT FACT SHEET

Product Name	synchrony Semi-Finished Single Vision Spherical 1.53 Trivex Polarized
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1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Polarized Grey HC	L6791	SYNC SF SV SPH 153 PL GRY HC F--	Y76
Polarized Brown HC	L6792	SYNC SF SV SPH 153 PL BRN HC F--	Y77

OPCs:

Base Code	Grey-3 HC LGC: L6791	Brown HC LGC: L6792
2.25	5117996206	5117996248
4.25	5117996214	5117996255
6.25	5117996222	5117996263
8.25	5117996230	5117996271

2. Product Range: Refer also Base Curve Selection Chart section 7.

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
74	2.25	-7.00 to -4.00
74	4.25	-3.75 to +2.25
74	6.25	+2.50 to +5.25
74	8.25	+5.50 to +7.00

3. Material & Coating Specifications:

Type	Trivex 1.53
Refractive Index	$n_d = 1.527$ $n_e = 1.530$
Abbe Number	$V_d = 43$ $V_e = 45$
Density	1.11 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

4. Lens Geometry: Foil position is 0.7 to 1.0 mm from Front Surface

Product Base Code	Nominal Diameter (mm)	Front TFC Surface (D)	Front Surface (Radius mm)	Nominal Back Surface (D)	Centre Thickness (±1.0mm)	Nom. Edge Thickness
2.25	74	2.26	234.51	6.25	5.6	10.9
4.25	74	4.24	125.00	6.25	8.4	11.2
6.25	74	6.25	84.80	6.25	8.6	8.5
8.25	74	8.26	64.17	6.25	11.9	8.7

5. Product Markings: None

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Product Name

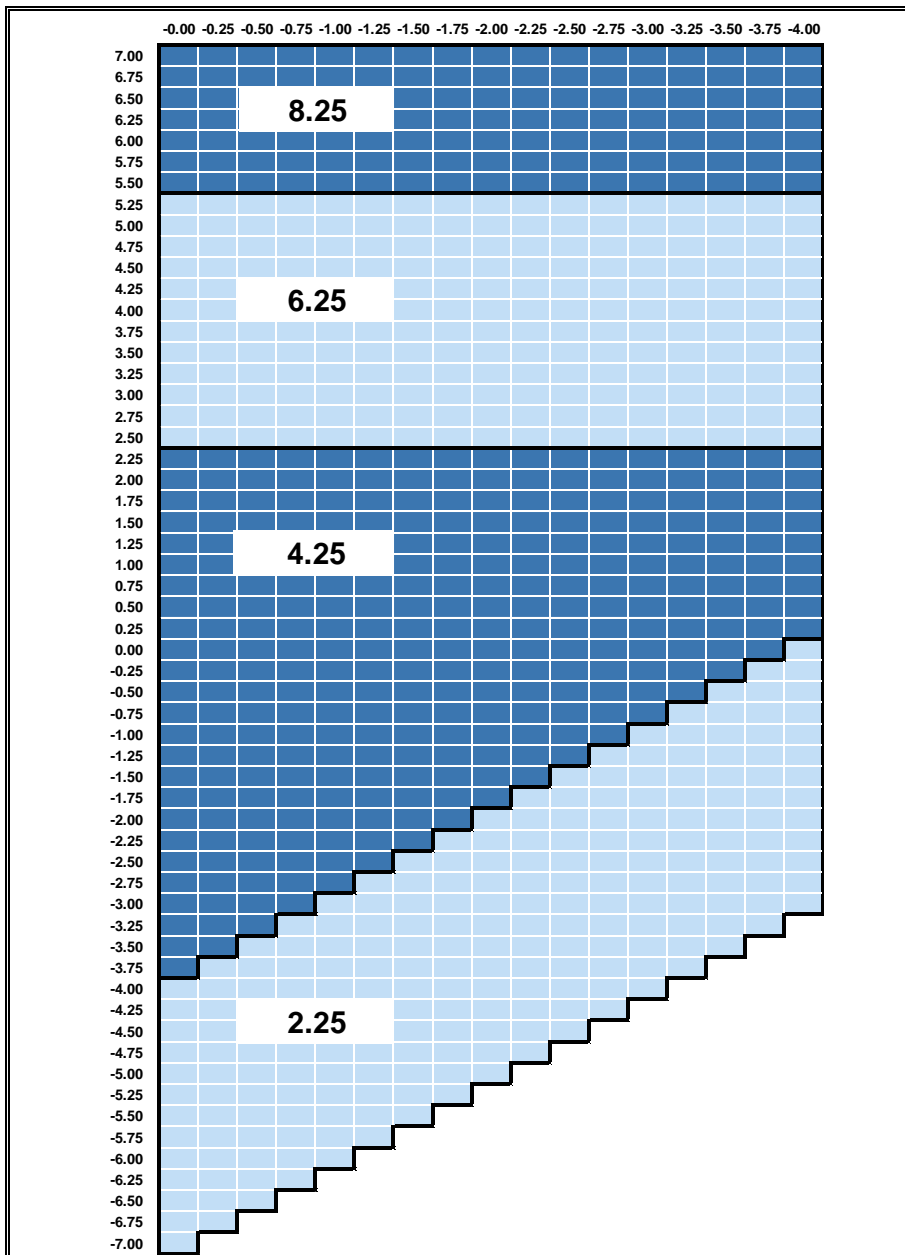
synchrony Semi-Finished Single Vision Spherical 1.53 Trivex Polarized

6. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.0	
-1.75 to +2.00	2.0 or *	1.0 *
+2.25 to +4.00		1.0
+4.25 to High Plus		0.5

* Thicknesses are based on whichever is the limiting

7. Base Curve Selection Chart



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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5

1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
66mm HC	L2368	SYNC SF SV SPH 15 PG ---	989
66mm UNC	L2362	SYNC SF SV SPH 15 UNC ---	986
70mm HC	L2173	SYNC SF SV SPH 15 PG ---	991
70mm UNC	L2081	SYNC SF SV SPH 15 UNC ---	984
75mm HC	L2172	SYNC SF SV SPH 15 PG ---	990
75mm UNC	L2082	SYNC SF SV SPH 15 UNC ---	985

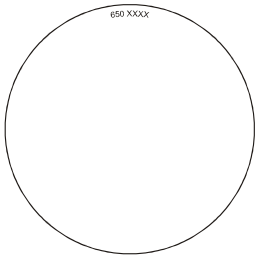
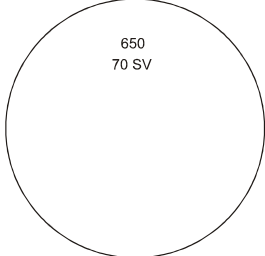
2. Product Range: Refer also Base Curve Selection Chart section 7.

Nominal Diameter (mm)	Base Code	Recommended Rx Range (D)	
66 & 70	0.50	-18.00	to -10.25
66, 70 & 75	2.50	-10.00	to -6.00
66, 70 & 75	3.50	-5.75	to -3.75
66, 70 & 75	4.50	-3.50	to -1.50
66, 70 & 75	5.50	-1.25	to 0.00
66, 70 & 75	6.50	+0.25	to +1.50
66, 70 & 75	7.50	+1.75	to +2.50
66, 70 & 75	8.50	+2.75	to +3.75
66 & 70	9.50	+4.00	to +4.75
66 & 70	10.50	+5.00	to +6.50
66	12.50	+6.75	to +10.00

3. Material & Coating Specifications:

Type	Organic 1.5 Polymer	
Refractive Index	n _d = 1.499	n _e = 1.500
Abbe Number	v _d = 58	v _e = 56
Density	1.32 g/cm ³	
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness	
Coating Type	Hard Coated & Uncoated	

4. Product Markings: Example 70mm Product, As viewing the front side of blanks

Front (Casting) Surface: Top Code	Back (Non-Casting) Surface: Cast On Code
	

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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5

5. Lens Geometry: 66mm Product

Nominal Base	True Front Curve 1.530 (D)	TFC Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0mm)	Nominal Edge Thickness (mm)
0.50	0.37	1432.43	-6.00	9.5	15.0
2.50	2.06	257.28	-6.00	11.2	15.0
3.50	3.24	163.58	-6.00	7.3	9.5
4.50	4.24	125.00	-6.00	7.6	9.5
5.50	5.24	101.15	-6.00	5.6	6.0
6.50	6.36	83.33	-6.00	6.4	6.0
7.50	7.54	70.29	-6.00	7.4	6.0
8.50	8.40	63.95	-6.00	8.3	6.0
9.50	9.51	55.73	-6.00	9.5	6.0
10.50	10.35	51.21	-6.00	10.5	6.0
12.50	12.28	43.16	-6.00	13.4	6.0

70mm Product

Nominal Base	True Front Curve 1.530 (D)	TFC Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0mm)	Nominal Edge Thickness (mm)
0.50	0.37	1432.43	-6.00	9.2	16.0
2.50	2.06	257.28	-6.00	11.2	16.0
3.50	3.24	163.58	-6.00	7.2	10.6
4.50	4.24	125.00	-6.00	8.4	10.6
5.50	5.24	101.15	-6.00	7.0	8.0
6.50	6.36	83.33	-6.00	8.5	8.0
7.50	7.54	70.29	-6.00	10.1	8.0
8.50	8.40	63.95	-6.00	8.9	5.5
9.50	9.51	55.73	-6.00	10.6	5.5
10.50	10.35	51.21	-6.00	12.1	5.5

75mm Product

Nominal Base	True Front Curve 1.530 (D)	TFC Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0mm)	Nominal Edge Thickness (mm)
2.50	2.06	257.28	-6.00	10.5	16.0
3.50	3.24	163.58	-6.00	8.4	12.5
4.50	4.24	125.00	-6.00	9.6	12.5
5.50	5.24	101.15	-6.00	7.2	8.5
6.50	6.36	83.33	-6.00	8.8	8.5
7.50	7.54	70.29	-6.00	10.6	8.5
8.50	8.40	63.95	-6.00	11.5	8.5

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Product Name

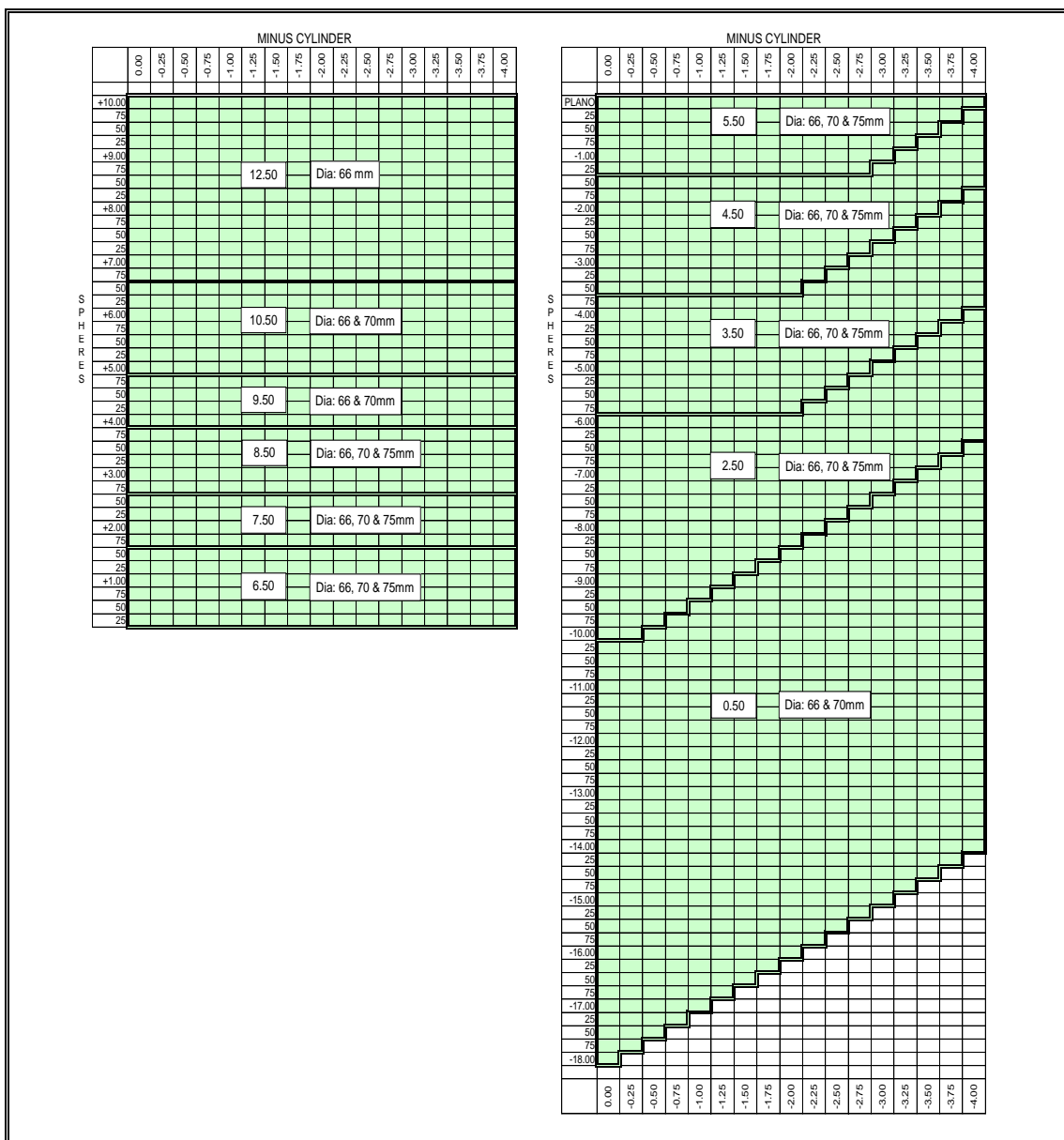
synchrony Semi-Finished Single Vision Spherical 1.5

6. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.0	
-1.75 to +2.00	2.0 or *	1.0 *
+2.25 to +4.00		1.0
+4.25 to High Plus		0.5

* Thicknesses are based on whichever is the limiting factor

7. Surfacing and Base Curve Selection:



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PRODUCT FACT SHEET

Product Name	synchrony Semi-Finished Single Vision Spherical 1.5
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1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Hard Coated (72mm)	L2134	SYNC SF SV SPH 15 HC ---	511
Uncoated (72mm)	L2058	SYNC SF SV SPH 15 UNC ---	226

OPCs:

Base Code	Hard Coated LGC: L2134	Uncoated LGC: L2058
0.50	5110202891	5110102893
2.50	5110202909	5110102901
4.00	5110202917	5110102919
5.00	5110208732	5110109294
6.00	5110202925	5110102927
8.00	5110202933	5110102935
10.00	5110202941	5110102943

2. Product Range: Refer also Base Curve Selection Chart section 7.

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
72	0.50	-12.00 to -7.25
72	2.50	-7.00 to -4.25
72	4.00	-4.00 to -2.25
72	5.00	-2.00 to 0.00
72	6.00	+0.25 to +3.00
72	8.00	+3.25 to +6.50
72	10.00	+6.75 to +9.75

3. Material & Coating Specifications:

Type	Organic 1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Hard Coated & Uncoated

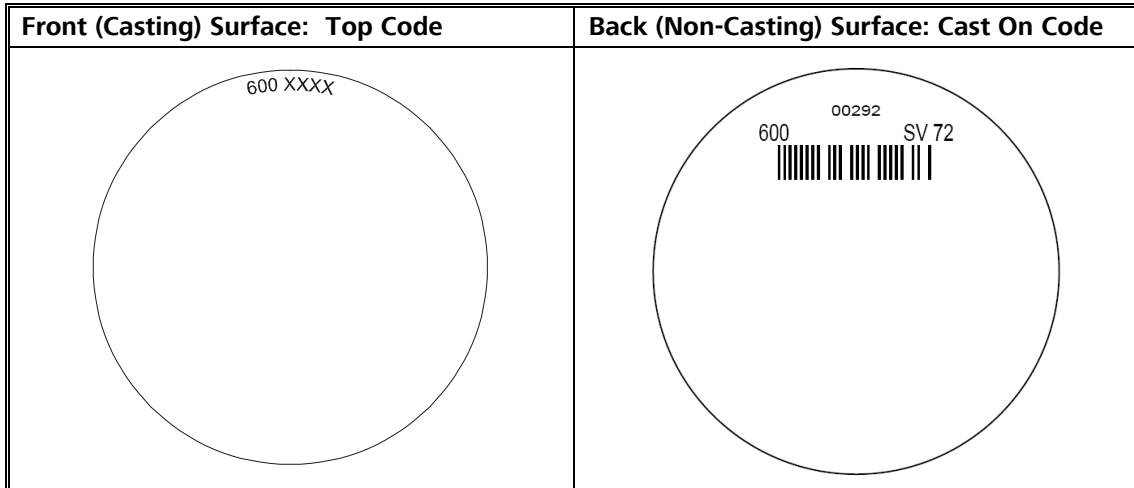
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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5

4. Product Markings: As viewing the front side of blanks



5. Lens Geometry:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness ($\pm 1.0\text{mm}$)	Nominal Edge Thickness (mm)
0.50	0.37	1432.43	-3.00	12.8	16.0
2.50	2.15	246.51	-6.00	11.0	16.0
4.00	3.68	144.02	-6.00	9.9	13.0
5.00	4.77	111.11	-6.00	11.3	13.0
6.00	5.92	89.53	-6.00	7.9	8.0
8.00	8.01	66.17	-6.00	11.5	8.5
10.00	10.00	53.00	-6.00	15.0	8.5

6. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.0	
-1.75 to +2.00	2.0 or *	1.0 *
+2.25 to +4.00		1.0
+4.25 to High Plus		0.5

** Thicknesses are based on whichever is the limiting factor*

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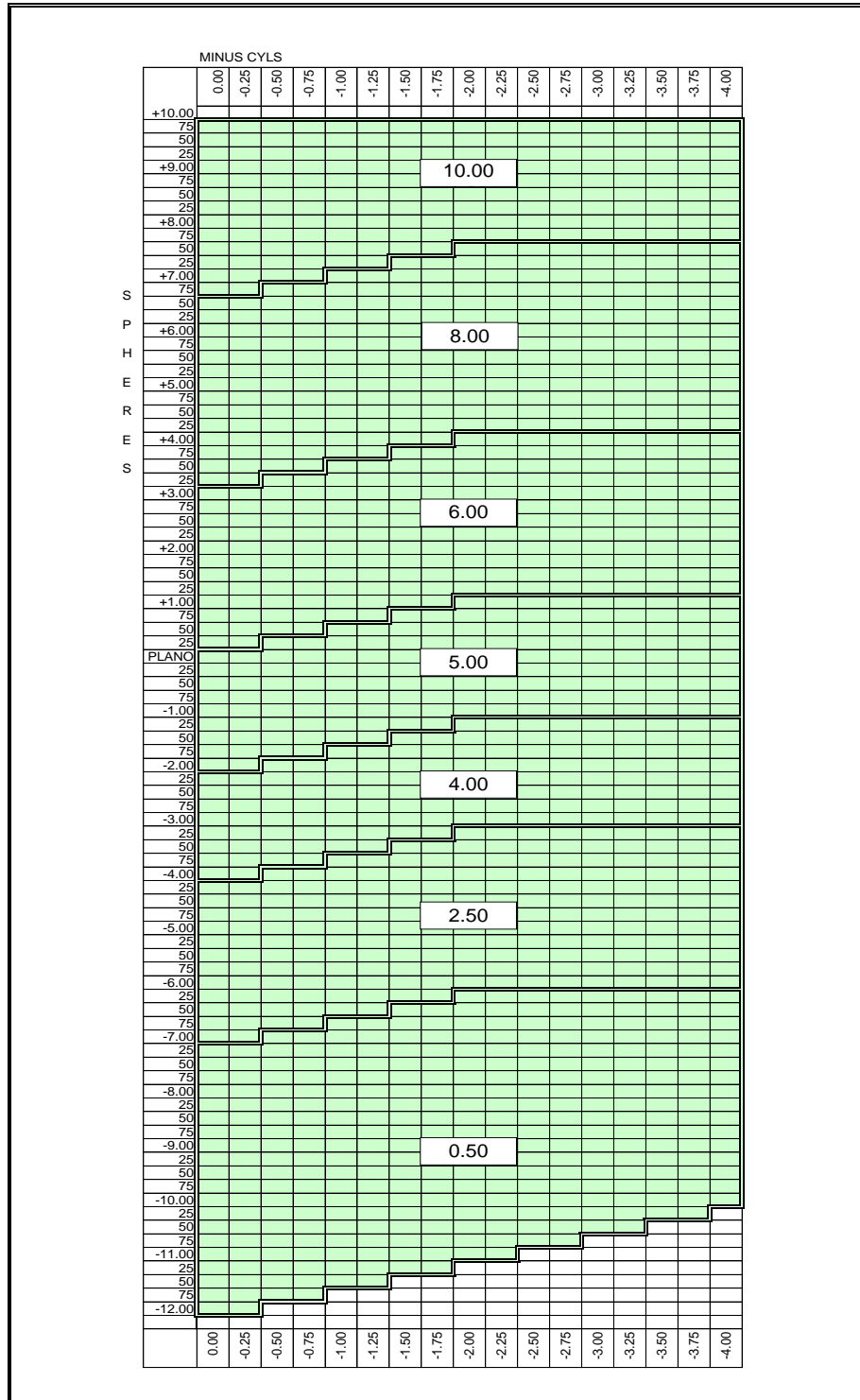
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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5

7. Base Curve Selection Chart:



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PRODUCT FACT SHEET

Product Name	synchrony Semi-Finished Single Vision Spherical 1.5
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1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Hard Coated (76mm)	L2409	SYNC SF SV SPH 15 PG ---	753
Uncoated (76mm)	L2008	SYNC SF SV SPH 15 UNC ---	018

OPCs:

Base Code	Hard Coated LGC: L2409	Uncoated LGC: L2008
0.50	0101538031	0101138030
2.50	0101538049	0101138048
4.00	0101527182	0101127181
6.00	0101527190	0101127199
8.00	0101527208	0101127207
10.00	0101538056	0101138055

2. Product Range: Refer also Base Curve Selection Chart section 7.

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
76	0.50	-12.00 to -7.25
76	2.50	-7.00 to -4.25
76	4.00	-4.00 to -2.25
76	6.00	-2.00 to +2.00
76	8.00	+2.25 to +4.50
76	10.00	+4.75 to +8.00

3. Material & Coating Specifications:

Type	Organic 1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Hard Coated & Uncoated

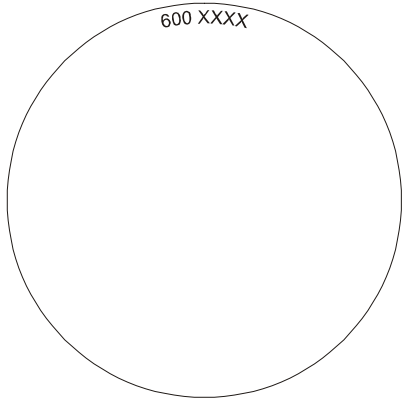

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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5

4. Product Markings: As viewing the front side of blanks

Front (Casting) Surface: Top Code	Back (Non-Casting) Surface: Cast On Code
	

5. Lens Geometry:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0mm)	Nominal Edge Thickness (mm)
0.50	0.00	∞	-3.00	12.9	17.0
2.50	2.15	246.51	-3.00	15.8	17.0
4.00	3.68	144.02	-6.00	11.5	15.0
6.00	5.92	89.53	-6.00	8.9	9.0
8.00	8.01	66.17	-6.00	12.4	9.0
10.00	10.00	53.00	-6.00	16.5	8.5

6. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.0	
-1.75 to +2.00	2.0 or *	1.0 *
+2.25 to +4.00		1.0
+4.25 to High Plus		0.5

** Thicknesses are based on whichever is the limiting factor*

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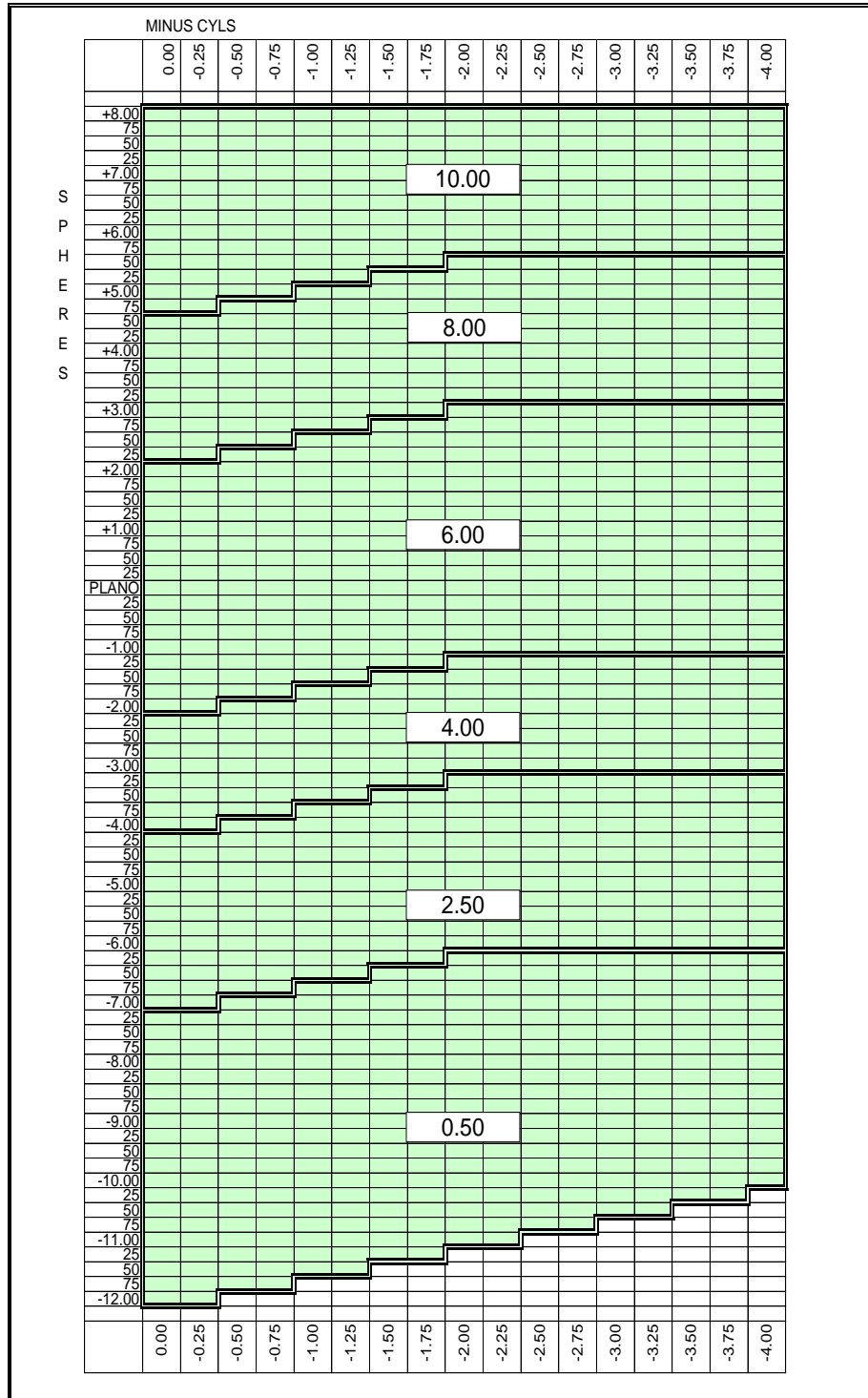
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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5

7. Base Curve Selection Chart:



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PRODUCT FACT SHEET

Product Name	synchrony Semi-Finished Single Vision Spherical 1.5 Photochromic
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1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Brown HC	L6474	SYNC SF SV SPH 15 PH BRN HC A--	H11
Grey HC	L6473	SYNC SF SV SPH 15 PH GRY HC A--	H10

2. Product Range: Refer also Base Curve Selection Chart section 6.

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
76	0.50	-9.00 to -6.00
76	2.25	-5.75 to -3.75
76	4.25	-3.50 to -1.50
76	5.25	-1.25 to +1.25
76	6.25	+1.50 to +2.25
76	8.25	+2.50 to +5.00

3. Material & Coating Specifications:

Type	Organic 1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	Coated, Activated 2.0 mm Centre Thickness UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

4. Lens Geometry:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0mm)	Nominal Edge Thickness (mm)
0.50	0.42	1261.90	-4.00	10.6	15.8
2.25	2.09	253.58	-4.00	10.6	13.6
4.25	4.30	123.25	-4.00	10.6	10.4
5.25	5.25	100.85	-6.00	8.7	10.2
6.25	6.19	85.62	-6.00	8.7	8.8
8.25	8.24	64.32	-6.00	12.3	9.0

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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5 Photochromic

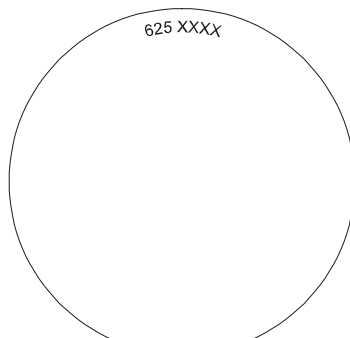
5. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.0	
-1.75 to +2.00	2.0 or *	1.0 *
+2.25 to +4.00		1.0
+4.25 to High Plus		0.5

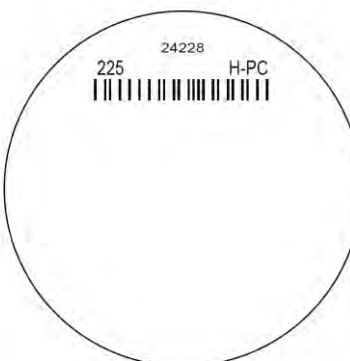
* Thicknesses are based on whichever is the limiting factor

6. Product Markings & Base Curve Selection Chart:

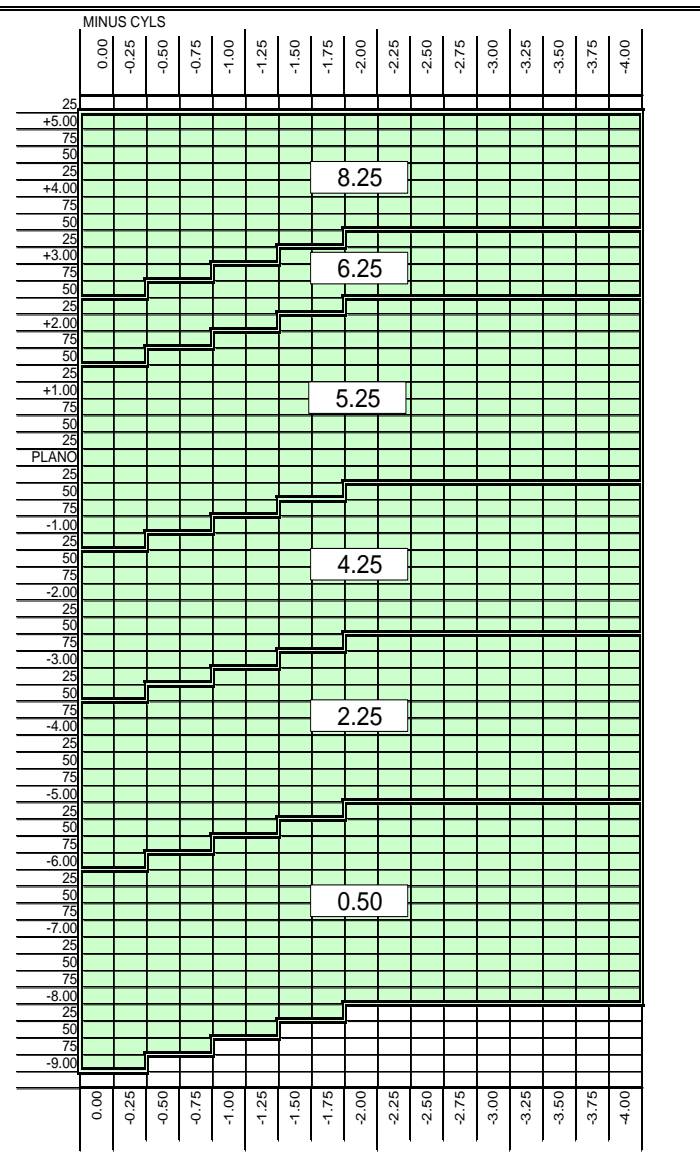
Front Surface Top Code



Back Surface Cast on Code



MINUS CYLS



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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5 Transitions Vantage

1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Grey Polarised HC	L6291	SYNC SF SV SPH 15 TV GRY HC IE-	R85

OPCs: * denotes thick blank

Base Code	Brown HC LGC: L6291
0.50	5114620551
2.25	5114620569
3.50	5114620577
4.25	5114620585
5.25	5114620593
5.26*	5114620601
6.25	5114620619
6.50	5114620627
8.25	5114620635
10.00	5114620643

2. Product Range: Refer also Base Curve Selection Chart section 6.

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
76	0.50	-9.00 to -6.00
76	2.25	-5.75 to -3.75
76	4.25	-3.50 to -1.50
76	5.25	-1.25 to +1.25
76	6.25	+1.50 to +2.25
76	8.25	+2.50 to +5.00
76	10.00	+5.25 To +7.00

3. Material & Coating Specifications:

Type	Organic 1.5 Transitions (CR607)
Refractive Index	$n_d = 1.497$ $n_e = 1.499$
Abbe Number	$v_d = 61$ $v_e = 57$
Density	1.27 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 % Coated, Activated 2.0 mm Centre Thickness
Coating Type	Hard Coated

4. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.0	
-1.75 to +2.00	2.0 or *	1.0 *
+2.25 to +4.00		1.0
+4.25 to High Plus		0.5

* Thicknesses are based on whichever is the limiting

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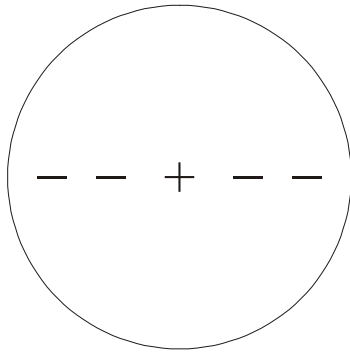
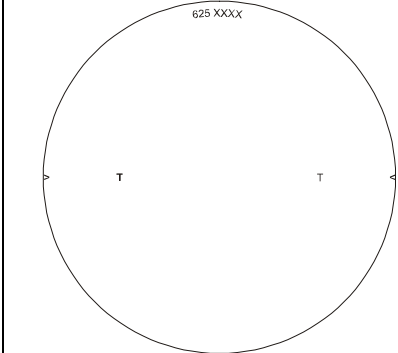

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5 Transitions Vantage

5. Lens Geometry:

Diameter (mm)	Nominal Base (D)	True Front Curve in 1.530 (D)	Radius (mm)	Nominal Back Curve (D)	Centre Thickness (mm) (±1.0)	Nominal Edge Thickness (mm)
76	0.50	0.43	1232.56	-4.00	10.6	15.8
76	2.25	2.10	252.38	-4.00	10.6	13.6
76	3.50	3.74	141.71	-6.00	10.7	14.5
76	4.25	4.30	123.26	-4.00	10.5	10.4
76	5.25	5.26	100.75	-6.00	8.5	10.3
76	5.26 *	5.32	99.62	-4.00	13.0	11.0
76	6.25	6.21	85.33	-6.00	8.5	8.9
76	6.50	6.94	76.37	-4.00	11.6	7.0
76	8.25	8.24	64.32	-6.00	12.0	8.3
76	10.00	9.97	53.16	-6.00	16.0	8.5

6. Product Markings & Base Curve Selection Chart:

Front Surface Ink Markings	Front Surface Semi-visible Markings	Back surface markings
		
<ul style="list-style-type: none"> Axis alignment ink marking indicating horizontal polarised axis orientation (Yellow) 	<ul style="list-style-type: none"> Cast on semi visible Code identifying material, base curve and unique ID. Due to the thickness of the coating treatment this code may become obscure Transitions applied semi-visible "T" symbols positioned 20mm from centre and ">,"<" markings at the edge of the blank indicating horizontal polarised axis orientation 	<ul style="list-style-type: none"> Semi-visible Transitions applied 2d matrix code and text identifying base curve.

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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical 1.5 Transitions Vantage

7. Base Curve Selection Chart

1.5		CYL (Minus cyl convention)																
Base Selection	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00	-2.25	-2.50	-2.75	-3.00	-3.25	-3.50	-3.75	-4.00	
S P H E R E	7.00																	
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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical Mineral 1.5
White & PhotoGray Extra (PGX)

1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
White	L2026	SYNC SF SV SPH M15 UNC ---	059
PGX	L2025	SYNC SF SV SPH M15 PH GRY UNC G--	058

OPCs:

Base Code	White LGC- L2026	PGX LGC- L2025
0.50	0102037645	0102037587
2.00	0102037652	0102037595
4.25	0102037660	0102037603
6.25	0102037678	0102037611
8.25	0102037686	0102037629
10.25	0102037694	0102037637

2. Product Range: Refer also Base Curve Selection Chart

Nominal Diameter (mm)	Nominal Base Curve (D)	Recommended Rx Range (D)
71	0.50	-10.00 to -7.25
71	2.00	-7.00 to -4.25
71	4.25	-4.00 to -2.25
71	6.25	-2.00 to +2.00
71	8.25	+2.25 To +5.50
71	10.25	+5.75 to +8.00

3. Material Specifications:

Type	Mineral White 1.5	PhotoGray Extra
Refractive Index	$\eta_d = 1.523$ (Helium 'd' line 587.56nm) $\eta_e = 1.525$ (Mercury 'e' line 546.07nm)	$\eta_d = 1.523$ (Helium 'd' line 587.56nm) $\eta_e = 1.525$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 58.8$ $v_e = 58.5$	$v_d = 58.8$ $v_e = 58.5$
Density	2.61 g·cm ⁻³	2.41 g·cm ⁻³
Yellowness Index	$Y_i = 0.9$ (10 mm Centre Thickness)	$Y_i = 0.9$ (10 mm Centre Thickness)
UV Transmittance	35.0% SUVA / <0.05% SUVB (Uncoated : 2.0 mm Centre Thickness)	5.0% SUVA / <0.05% SUVB (Uncoated : 2.0 mm Centre Thickness)
Transmittance	$\tau_{vD65} = 91.5 \%$ (2.00 mm plano)	$\tau_{vD65} = 91.0 \%$ (faded, 2mm plano) $\tau_{vD65} = 29.0 \%$ (darkened, 2mm plano)

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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical Mineral 1.5
White & PhotoGray Extra (PGX)

4. Lens Geometry:

Nominal Base	Radii (mm)	True Front Curve (D) (1.530)	Nominal Diameter	Nominal Back Curve (D)	Centre Thickness (± 1mm)	Nom. Edge Thickness (± 1mm)
0.50	1060.00	0.50	70	-8.00	4.9	14.4
2.00	263.68	2.01	70	-8.00	8.2	13.5
4.25	127.10	4.17	70	-8.00	5.8	9.1
6.25	85.48	6.20	70	-6.25	6.7	6.2
8.25	65.19	8.13	70	-6.25	8.4	3.6
10.25	52.50	10.09	70	-6.25	12.2	5.3

5. Product Markings: None

6. Surfacing:

Recommended centre & edge thickness for all regions excluding USA:

Power Range	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	1.5	
-1.75 to +2.00	1.5 or *	1.4 *
+2.25 to +3.00		0.8
+3.25 to High Plus		0.5

Recommended centre & edge thickness for USA:

Power Range	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
High Minus to -2.00	2.2	
-1.75 to +2.00	2.2 or *	1.7 *
+2.25 to +3.00		1.7
+3.25 to High Plus		1.4

* Thicknesses are based on whichever is the limiting factor

This glass lens blank requires further treatment to be considered impact resistant. The final processor is responsible to render it impact resistant in accordance with 21 CFR 801.410 as required in the US.

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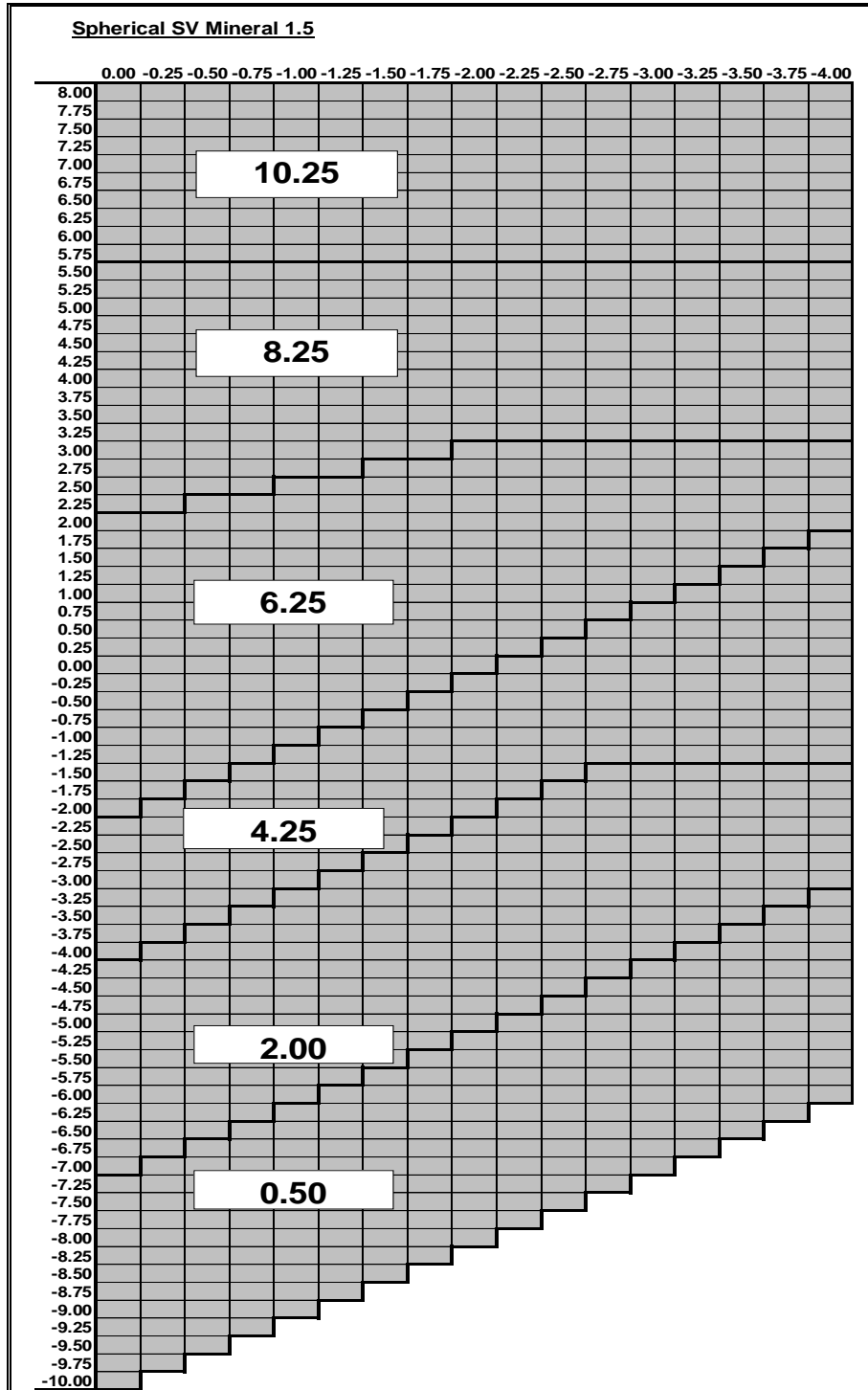
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PRODUCT FACT SHEET

Product Name

synchrony Semi-Finished Single Vision Spherical Mineral 1.5
White & PhotoGray Extra (PGX)

7. Base Curve Selection Chart



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