

## **synchrony Access - Fact Sheets**

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#### **Access**

*1.59 Polycarbonate*

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*1.50 Hard Resin*

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# PRODUCT FACT SHEET



**Product Name** synchrony Semi-Finished Enhanced SV Access 1.59

## Customer Product Codes

Product:	CAT Code:	LGC:	LGC Description:	Notes:	FDA:
PG	578	L2142	SYNC SF ACCESS 159 PG ---	Country of Origin required on Label	Yes, US FDA disclaimer Required
HC	330	L2400	SYNC SF ACCESS 159 HC ---		

## Product OPCs

Nominal Near Base Curve	Dynamic Range	PG (LGC: L2142)	HC (LGC: L2400)
5.00	-0.75	0102203536	0102207800
	-1.25	0102203544	0102207818

## Product Range:

Nominal Diameter	Nominal Near Base Curve (D)	Dynamic Range (D) -Relative To Near	Recommended Rx Range (D)
80mm	5.00	-0.75	-2.00 to +4.00
		-1.25	-2.00 to +4.00

## 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 <sup>3</sup>
UV Protection (ISO)	UVA : 100 %, UVB : 100 % Coated, 1.5 mm Centre Thickness
Coating Type	Hard Coated

## Lens Geometry:

Nominal Base (D)	Radius (mm)	True Front Near Curve (D)	Central Curve Sag @ 50mm (mm)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal 'Distance' Edge Thickness (mm)	Nominal 'Near' Edge Thickness (mm)
5.00	107.07	4.95	2.96	-5.75	10.7 ±1.0	13.7	12.5

## Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-2.00 to +2.00	1.5*	1.0
+2.25 to +4.00		0.5

\* Thicknesses are based on whichever is the limiting factor

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# PRODUCT FACT SHEET



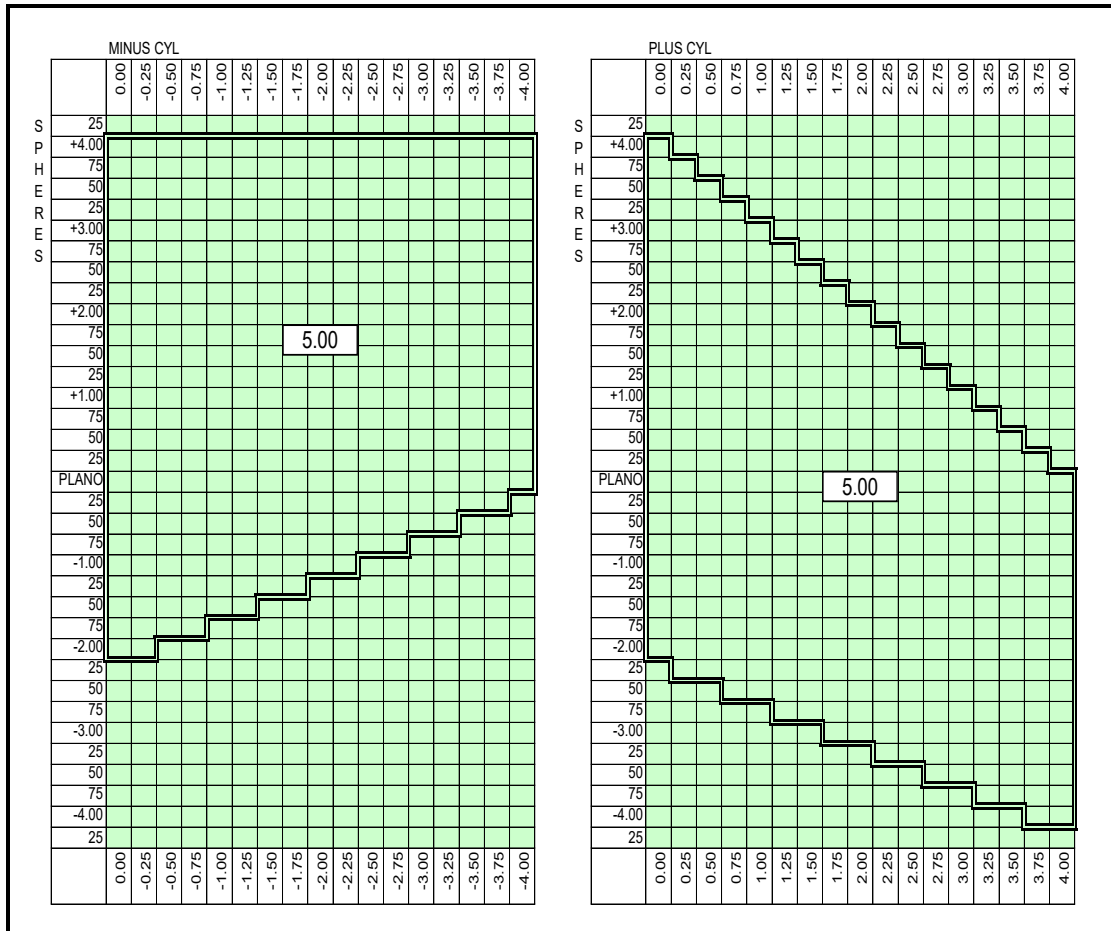
**Product Name**

synchrony Semi-Finished Enhanced SV Access 1.59

**Product Markings:**

Front Surface Ink Markings:	Front Surface Permanent Markings:	Back Surface Permanent Markings: Laser applied Visible Code:

**Recommended Base Curve Selection Chart:**



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# PRODUCT FACT SHEET



<b>Product Name</b>	synchroNY Semi-Finished Enhanced SV Access 1.5
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## Customer Product Codes

Product:	CAT Code:	LGC:	LGC Description:	Notes:	FDA:
UNC	945	L2331	SYNC SF ACCESS 15 UNC ---	Country of Origin required on Label	Yes, US FDA disclaimer Required
HC	575	L2141	SYNC SF ACCESS 15 HC ---		

## Product OPCs

Nominal Near Base Curve	Dynamic Range	UNC (LGC: L2331)	HC (PG) (LGC: L2141)
3.00	-0.75	5114425274	5113636889
	-1.25	5114425282	5113636897
5.00	-0.75	5114404212	5113619166
	-1.25	5114404220	5113619174
9.00	-0.75	5114446882	5113642267
	-1.25	5114446890	5113642275

## Product Range:

Nominal Diameter		Nominal Near Base Curve (D)	Dynamic Range (D) -Relative To Near	Recommended Rx Range (D)
Coated	Uncoated			
78 mm	75 mm	3.00	-0.75 and -1.25	-6.00 to -2.25
		5.00	-0.75 and -1.25	-2.00 to +4.00
		9.00	-0.75 and -1.25	+4.25 to +6.00

## Material & Coating Specifications:

<b>Type</b>	<b>1.5 Polymer</b>
<b>Refractive Index</b>	$n_d = 1.499$ $n_e = 1.500$
<b>Abbe Number</b>	$v_d = 58$ $v_e = 56$
<b>Density</b>	1.32 g/cm <sup>3</sup>
<b>UV Protection (ISO)</b>	UVA : 91 %, UVB : 100 % at 2.0 mm Centre Thickness
<b>Coating Type</b>	<b>Uncoated &amp; Hardcoated</b>

## Lens Geometry:

Base	Radius (mm)	True Front Near Curve (D) (1.530)	Nominal Back Curve (D) (1.530)	Centre Thickness (±1.0mm)	Nominal Distance Edge Thickness		Nominal Packaged Weight (g)	
					78mm diameter	75mm diameter	78mm diameter	75mm diameter
3.00	176.67	3.00	-3.00	<b>12.0</b>	14	14	90	84
5.00	106.00	5.00	-3.00	<b>11.7</b>	11	11	80	75
9.00	58.89	9.00	-6.00	<b>10.0</b>	7	7	63	60

**Surfacing:** Recommended centre & edge thicknesses for all regions: \*Thicknesses are based on whichever is the limiting factor

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-6.00 to -2.25	1.5	
-2.00 to +2.00	1.8 or *	1.0*
+2.25 to +6.00		0.5

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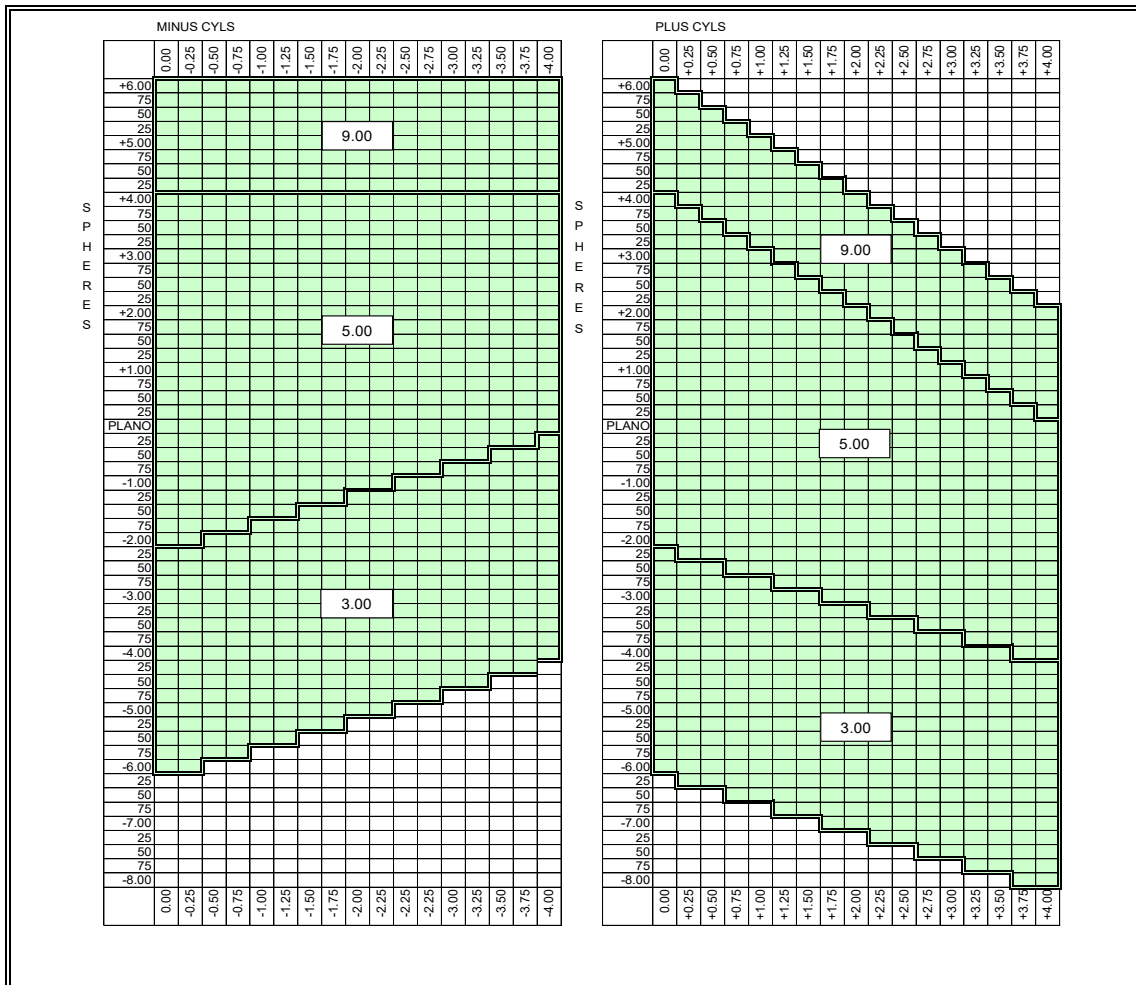


<b>Product Name</b>	synchrony Semi-Finished Enhanced SV Access 1.5
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**Product Markings:**

<p><b>Front Surface: Ink Markings</b></p>	<p><b>Front Surface: Permanent Markings</b></p>	<p><b>Back Surface: Permanent Markings</b></p>
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**Recommended Base Curve Selection Chart:**



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