

synchrony Access - Fact Sheets
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Access

1.59 Polycarbonate 1 – 2

1.50 Hard Resin 3 – 4

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 ³ |
| 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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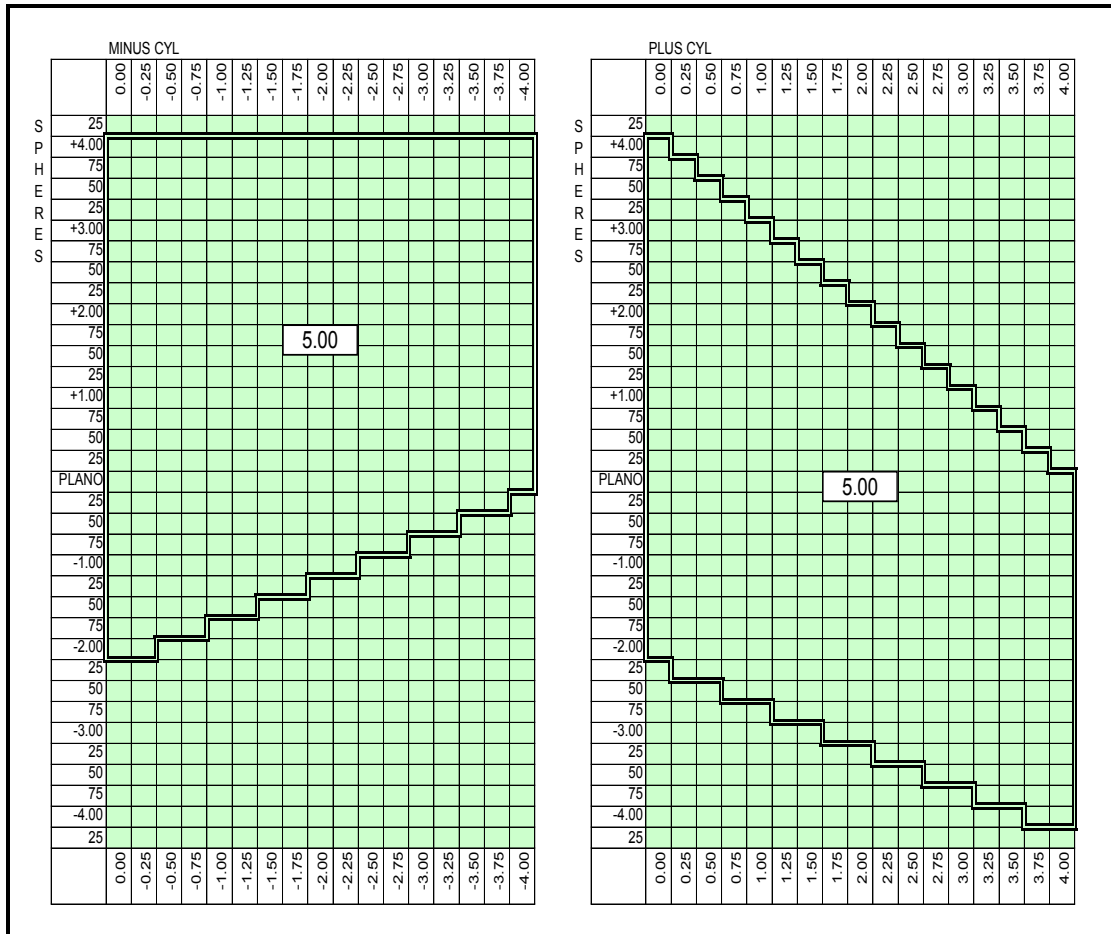
Product Name

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



| | |
|---------------------|--|
| Product Name | synchroNY Semi-Finished Enhanced SV Access 1.5 |
|---------------------|--|

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:

| | | |
|----------------------------|--|---------------|
| Type | 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 : 91 %, UVB : 100 % at 2.0 mm Centre Thickness | |
| Coating Type | Uncoated & Hardcoated | |

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 | 12.0 | 14 | 14 | 90 | 84 |
| 5.00 | 106.00 | 5.00 | -3.00 | 11.7 | 11 | 11 | 80 | 75 |
| 9.00 | 58.89 | 9.00 | -6.00 | 10.0 | 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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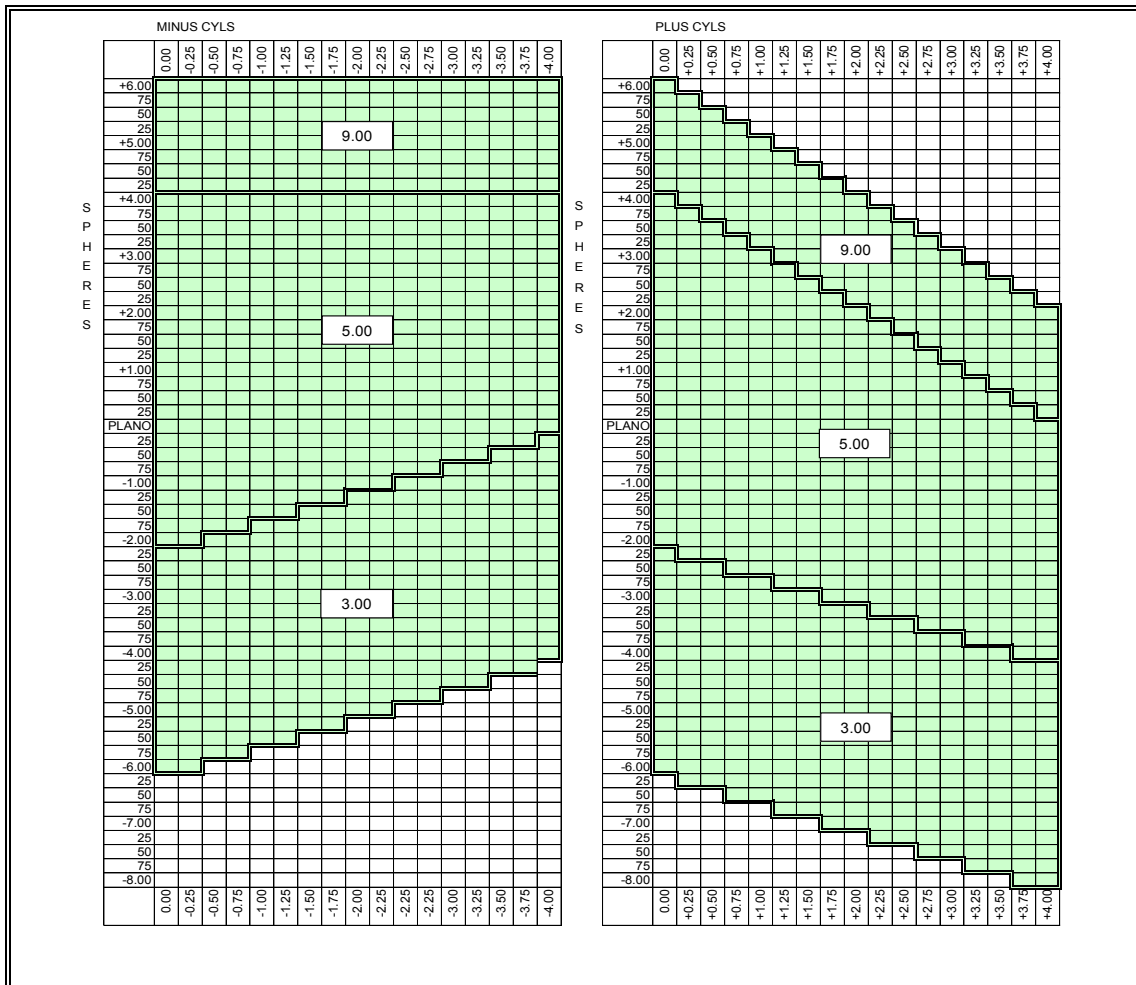


Product Name synchrony Semi-Finished Enhanced SV Access 1.5

Product Markings:

| Front Surface: Ink Markings | Front Surface: Permanent Markings | Back Surface: Permanent Markings |
|--------------------------------|--------------------------------------|-------------------------------------|
| | | |

Recommended Base Curve Selection Chart:



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