



SOLAMAX - Fact Sheets

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SOLAMAX

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Substrate	:	POLYCARBONATE	
Product Name	:	SOLAMAX™ PROGRESSIVE	
Product Type	:	SEMI-FINISHED BLANKS	Cat Codes: UT- 431 PG-433
Reference	:	0102236.FS8	
Date	:	25 August 2010	Page : 1 of 2

Design: Wide near zone progressive.

Product Range:

Nominal Diameter	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
75 mm	1.00	1.00 to 3.00	-10.00 to -4.75
75 mm	2.50	1.00 to 3.00	-4.50 to -2.25
75 mm	4.50	1.00 to 3.00	-2.00 to +1.50
75 mm	6.00	1.00 to 3.00	+1.75 to +4.00
75 mm	7.50	1.00 to 3.00	+4.25 to +6.00

Material & Coating Specifications:

Type	Polycarbonate
Refractive Index	$\eta_d = 1.586$ $\eta_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g.cm ⁻³
UV Protection (ISO)	Coated : 2.0 mm Centre Thickness UVA : 100 %, UVB : 100 %
Coating Type	Ultra-Tough™ and Perma-Gard™

Blank Information:

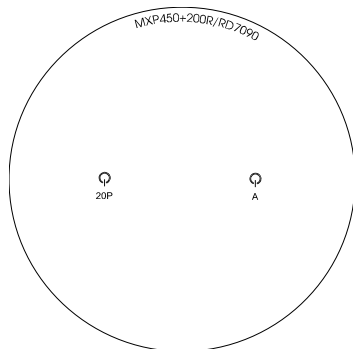
Base	Radius (mm)	True Front Curve (D) (1.530)	True Front Curve as a Sag @ 50mm	Nominal Back Curve (D) (1.530)	Centre Thickness (±1 mm)	Nominal Edge Thickness *	Nominal Blank Weight (g)
1.00	519.61	1.02	0.60	-5.75	11.4	17.8	82
2.50	210.32	2.52	1.49	-5.75	11.4	15.9	77
4.50	117.26	4.52	2.70	-5.75	10.2	11.9	63
6.00	84.66	6.26	3.78	-8.00	9.0	11.9	60
7.50	70.20	7.55	4.60	-8.00	10.5	11.4	62

* Measured at the distance edge of the blank.

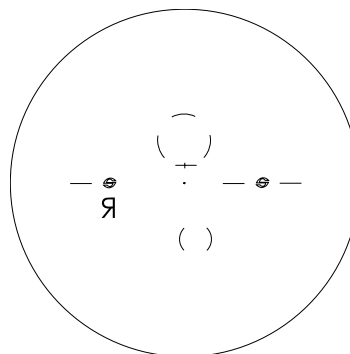
For External Distribution

Product Markings:

Front Surface Right Eye:
Semi-Visible Markings



Front Surface Right Eye:
Ink Markings

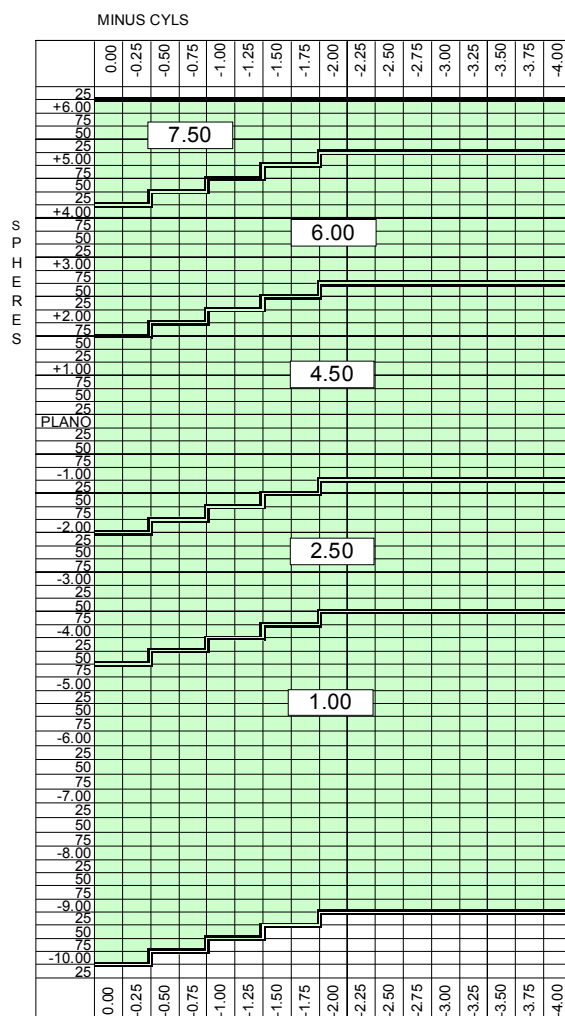


Surfacing:

Recommended Centre & Edge Thicknesses

Power Range (D)	Minimum Centre Thickness	Minimum Edge Thickness
-10.00 to -2.00	1.5 mm	
-1.75 to +2.00	2.0 mm or*	1.0 mm*
+2.25 to +4.00		1.0 mm
+4.25 to +6.00		0.5 mm

* Thicknesses are based on whichever is the limiting factor.





PRODUCT FACT SHEET

Substrate : **POLYCARBONATE PhotoFusion®**

Product Name : **SOLAMAX™ PROGRESSIVE**

Product Type : **SEMI-FINISHED BLANKS**

Reference : 00240.FS2

Date : 22 March 2012

Page : 1 of 2

Product Range:

	Grey
CAT Code	F57

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
72	1.00	1.00 to 3.00	-10.00 to -4.75
72	2.50	1.00 to 3.00	-4.50 to -2.25
72	4.50	1.00 to 3.00	-2.00 to +1.50
72	6.00	1.00 to 3.00	+1.75 to +4.00
72	7.50	1.00 to 3.00	+4.25 to +6.00

Material & Coating Specifications:

Type	Polycarbonate
Refractive Index	$n_d = 1.586$ (Helium 'd' line 587.56 nm), $n_e = 1.590$ (Mercury 'e' line 546.07 nm)
Abbe Number	$v_d = 30$, $v_e = 29$
Density	1.20 g.cm^{-3}
UV Protection (ISO)	100% UVA and 100% UVB Coated, Activated : 2.0mm Centre Thickness
Coating	Hard Coated

Blank Information: (As measured in 1.530 R.I)

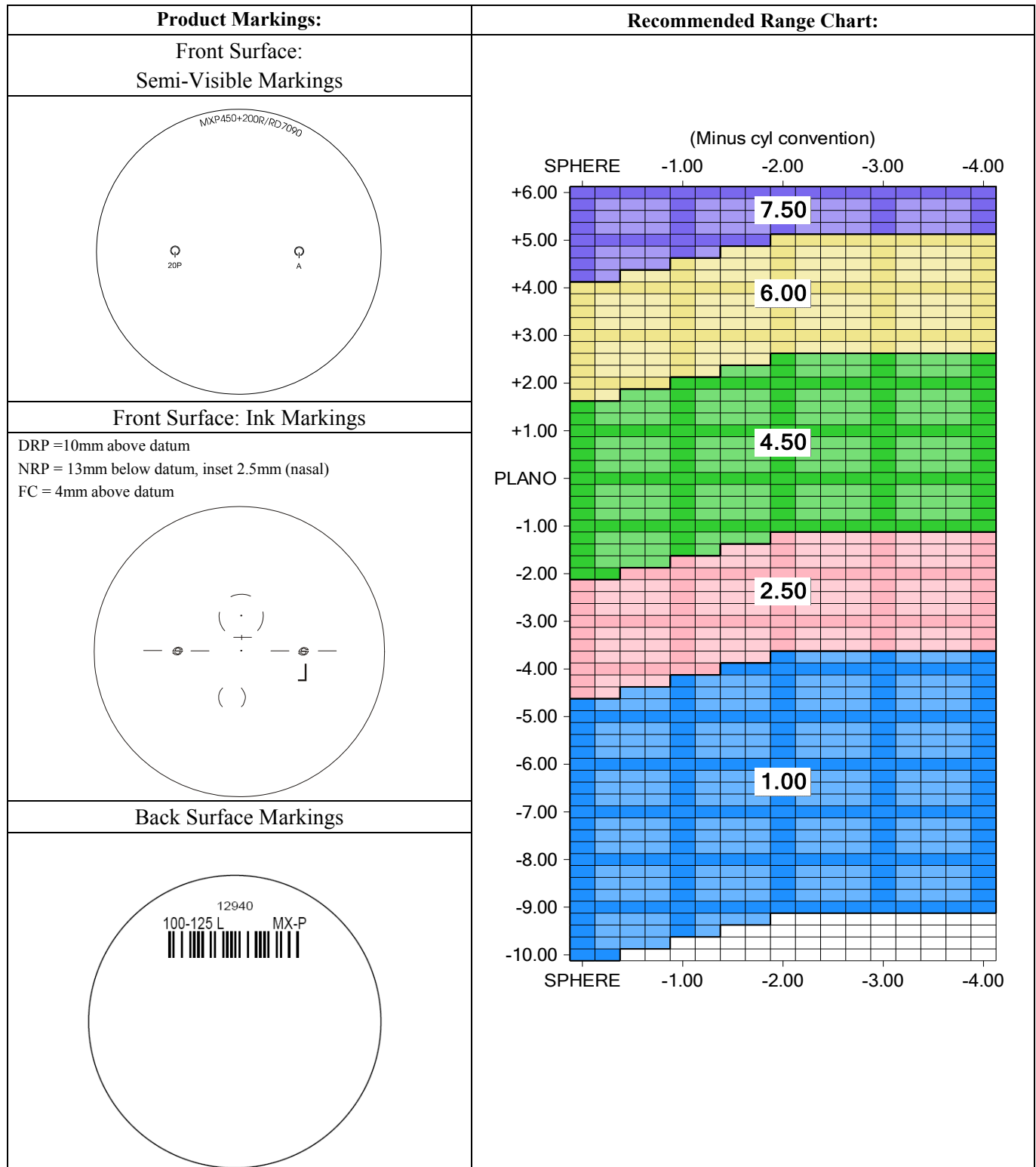
Base	Radius (mm)	True Front Curve (D) (1.530)	True Front Curve as a Sag @ 50mm	Nominal Back Curve (D) (1.530)	Centre Thickness ($\pm 1\text{mm}$)	Nominal Edge Thickness *	Nominal Blank Weight (g)
1.00	504.76	1.05	0.62	-5.75	11.2	16.9	80
2.50	209.49	2.53	1.50	-5.75	11.3	15.4	75
4.50	117.0	4.53	2.70	-5.75	9.8	11.8	63
6.00	84.80	6.25	3.77	-8.00	9.0	11.6	56
7.50	70.11	7.56	4.61	-8.00	10.3	11.0	66

For External Distribution

Surfacing: Recommended Centre & Edge Thicknesses

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*	1.5*
+2.25 to +4.00		1.0
+4.25 to +6.00		0.5

* Thicknesses are based on whichever is the limiting factor.





PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE TRANSITIONS® SIGNATURE VII			
Product Name	:	SOLAMAX PROGRESSIVE			
Product type	:	SEMI-FINISHED BLANKS			
Reference	:	00417.FS1			
Date	:	17 December 2013	Page	:	1 of 2

Product Range:

Product:	Gray HC
LGC:	L6431
Cat Code:	V72

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
72	1.00	1.00 to 3.00	-10.00 to -4.75
72	2.50	1.00 to 3.00	-4.50 to -2.25
72	4.50	1.00 to 3.00	-2.00 to +1.50
72	6.00	1.00 to 3.00	+1.75 to +4.00
72	7.50	1.00 to 3.00	+4.25 to +6.00

Material & Coating Specifications:

Type	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%
Coating Type	Hard Coated	

Blank Information:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness at 'A' (mm)
1.00	1.05	504.76	-5.75	11.2 ± 1.0	16.9
2.50	2.53	209.49	-5.75	11.3 ± 1.0	15.4
4.50	4.53	117.0	-5.75	9.8 ± 1.0	11.8
6.00	6.25	84.80	-8.00	9.0 ± 1.0	11.6
7.50	7.56	70.11	-8.00	10.3 ± 1.0	11.0

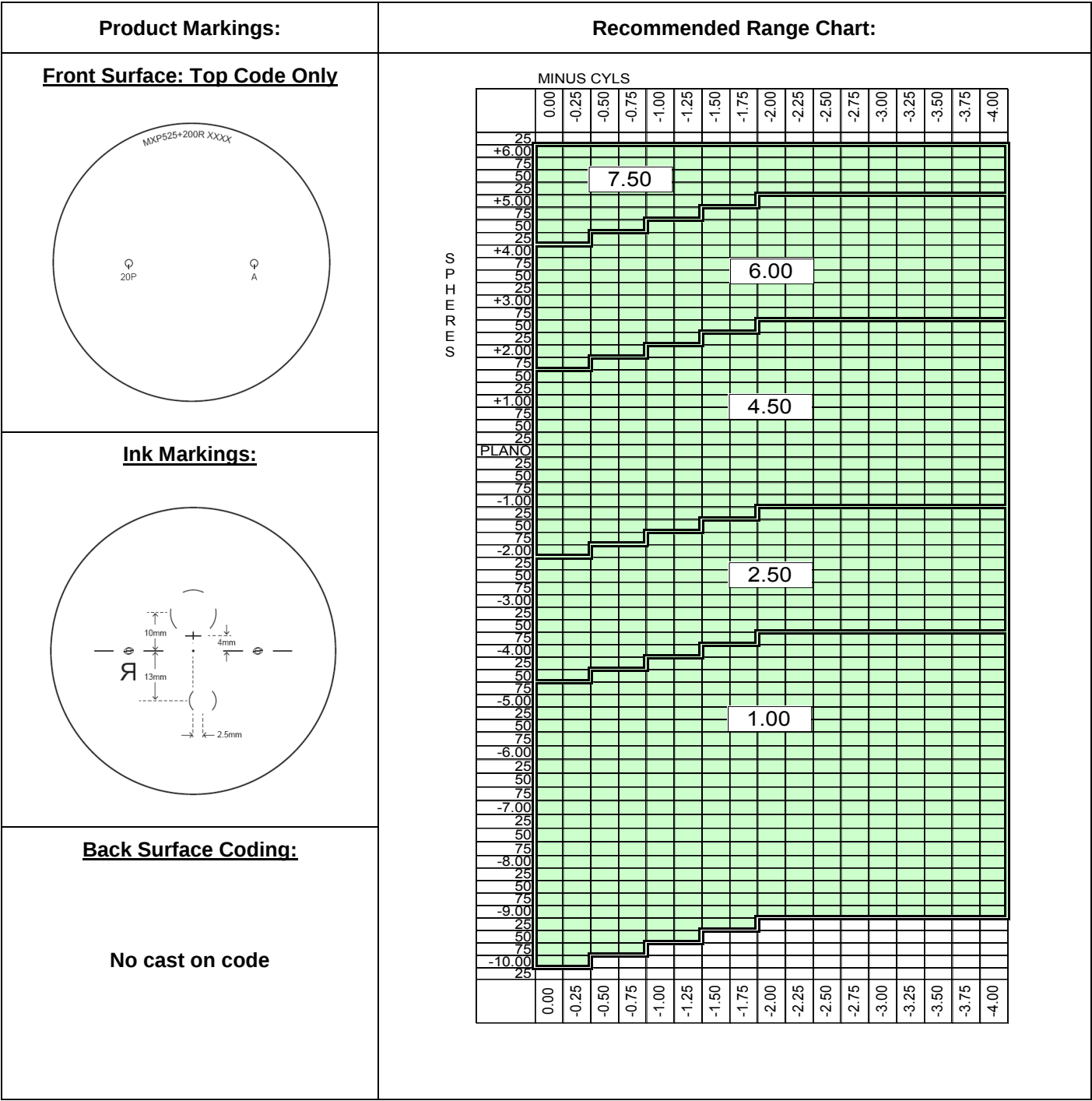
For External Distribution

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Transitions is a registered trademark of Transitions Optical Inc.

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		1.0

* Thicknesses are based on whichever is the limiting factor.



Substrate	:	HARD RESIN	
Product Name	:	SOLAMAX™ PROGRESSIVE	Cat Code: 106
Product Type	:	SEMI-FINISHED BLANKS	
Reference	:	F5116514_1	
Date	:	25 Mar 2002	Page : 1 of 2

Product Range : Not all product offerings are available in all regions

Nominal Diameter	Nominal Base Curve (D)	Add Power Range (D)	Rx Range Recommended (D)
80 mm	1.50	1.00 to 3.00	-8.00 to -4.75
80 mm	3.25	1.00 to 3.00	-4.50 to -2.25
80 mm	5.25	1.00 to 3.50	-2.00 to +1.50
80 mm	6.75	1.00 to 3.00	+1.75 to +4.00

Material & Coating Specifications:

Type	CR39
Refractive Index	$\eta_d = 1.499$ $\eta_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g.cm ⁻³
UV Protection (ISO)	2.0 mm Centre Thickness UVA : 91 % UVB : 100 %
Coating Type	Ultra-Tough™ (Uncoated also available)

Blank Information :

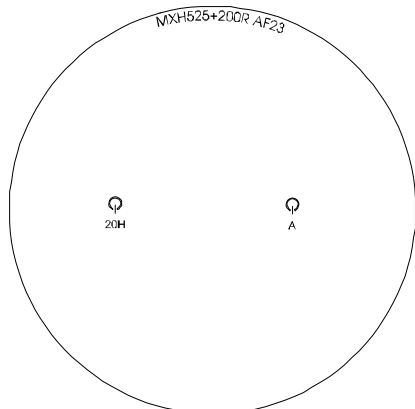
Base	Radius (mm)	True Front Curve (D) (1.530)	True Front Curve (D) (1.499)	Central Curve Sag @ 50mm (mm)	Nominal Back Curve (D) (1.530)	Centre Thickness (±1mm)	Nominal Edge Thickness *
1.50	358.11	1.48	1.39	0.87	-3.00	12.5	14.5
3.25	177.85	2.98	2.81	1.77	-6.00	10.0	15.5
5.25	101.34	5.23	4.92	3.13	-6.00	9.0	10.0
6.75	78.99	6.71	6.32	4.06	-6.00	12.0	10.0

* Measured at the distance edge of the blank.

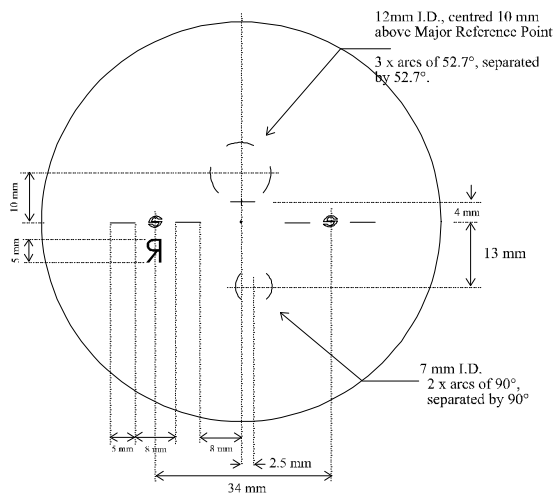
For External Distribution

Product Markings :

Front Surface :
Semi-Visible Markings



Front Surface : Ink Markings
(Yellow, water based : Uncoated)
(Yellow, solvent based : Coated)

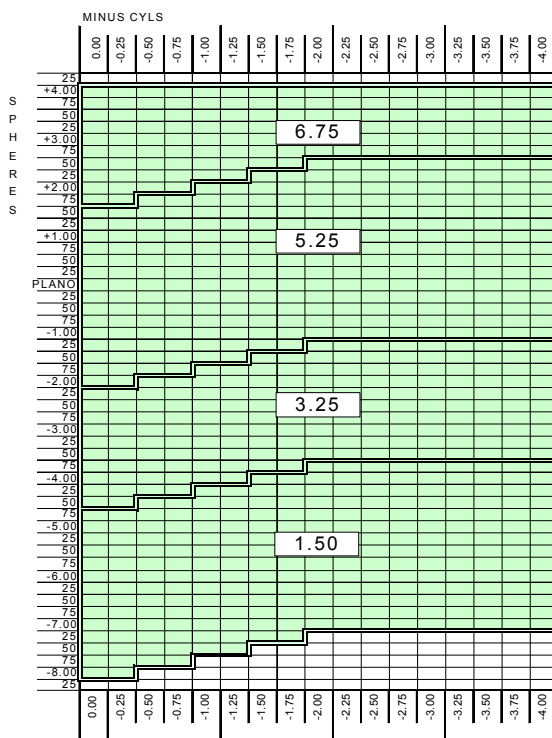


Back Surface : Coding

**Surfacing :****Recommended Centre & Edge Thicknesses**

Power Range	USA Market Minimum Centre Thickness (mm)	Int'l Market Minimum Centre Thickness (mm)	All Markets Minimum Edge Thickness (mm)
-8.00 to -2.00 D	2.0	1.5	
-1.75 to +2.00 D	2.0 or *	2.0 or *	1.0 *
+2.25 to +4.00 D			1.0

* Thicknesses are based on whichever is the limiting factor.





PRODUCT FACT SHEET

Substrate : **1.50 PhotoFusion®**

Product Name : **SOLAMAX™**

Product Type : **SEMI-FINISHED PROGRESSIVE BLANKS**

Reference : 00317.FS1

Date : 1 May 2012

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Product Range:

	Grey
CAT Code	F56

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
78	1.50	1.00 to 3.00	-8.00 to -4.75
78	3.25	1.00 to 3.00	-4.50 to -2.25
78	5.25	1.00 to 3.50	-2.00 to +1.50
78	6.75	1.00 to 3.00	+1.75 to +4.00

Material & Coating Specifications:

Type	1.5
Refractive Index	$n_d = 1.497$ (Helium 'd' line 587.56nm) $n_e = 1.499$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 61, v_e = 57$
Density	1.27 g.cm ⁻³
UV Protection (ISO)	Coated , Activated : 2.0mm Centre Thickness : UVA : 100% UVB : 100%
Coating Type	Hardcoated

Blank Information: (As measured in 1.530 R.I)

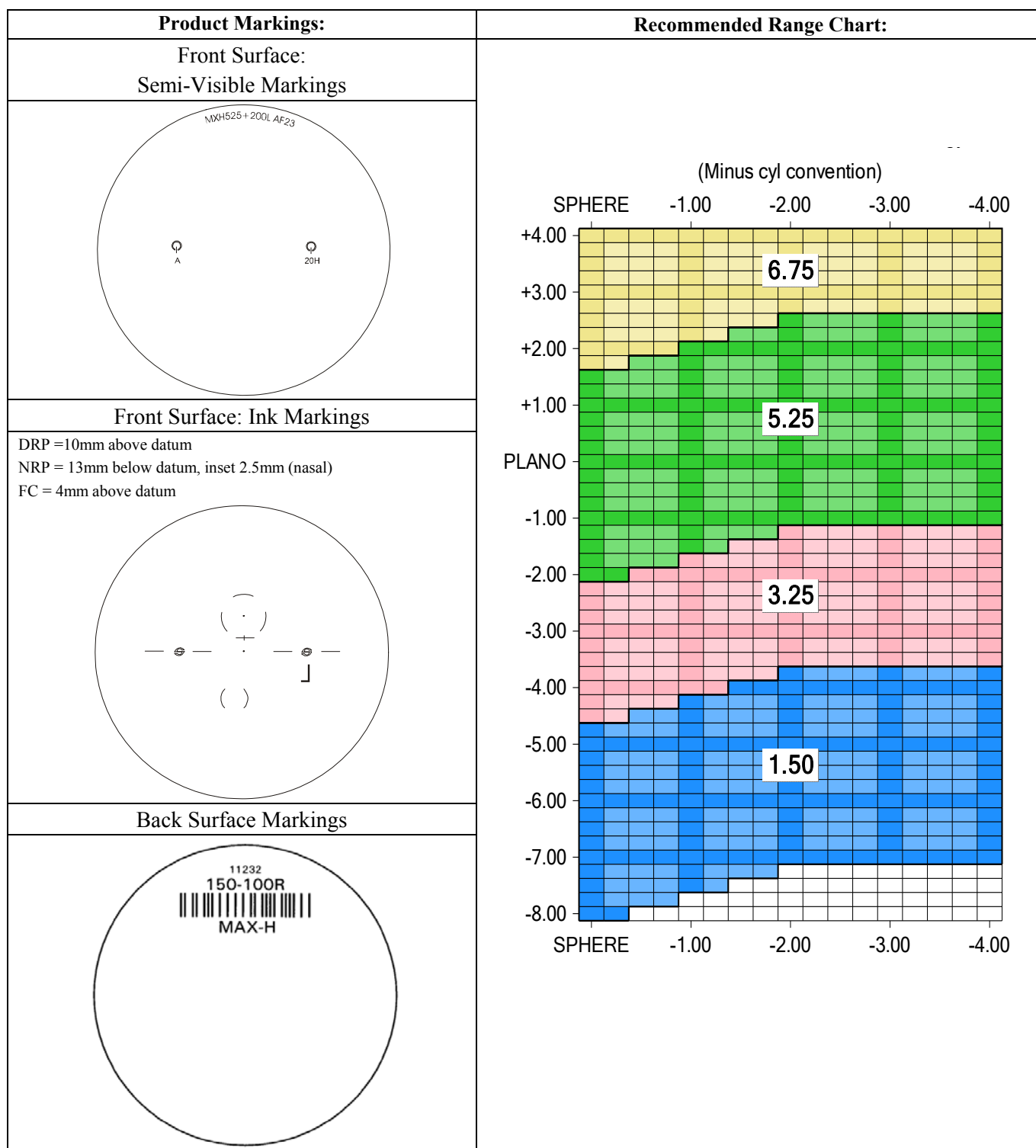
Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (mm) (± 1.0mm)	Nominal Edge Thickness at 'A' (mm)
1.50	1.50	353.33	-3.00	12.5	15.0
3.25	3.01	176.08	-6.00	10.0	13.0
5.25	5.26	100.76	-6.00	9.0	9.0
6.75	6.75	78.52	-6.00	12.0	9.0

For External Distribution

Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	USA Market Minimum Centre Thickness (mm)	Int'l Market Minimum Centre Thickness (mm)	All Markets Minimum Edge Thickness (mm)
-8.00 to -2.00	2.0	1.5	
-1.75 to +2.00	2.0 or *	2.0 or *	1.0 *
+2.25 to +4.00			1.0
+4.25 to +4.00			0.5

*Thicknesses are based on whichever is the limiting factor.





PRODUCT FACT SHEET

Substrate	:	1.5 TRANSITIONS® SIGNATURE VII			
Product Name	:	SOLAMax PROGRESSIVE			
Product type	:	SEMI-FINISHED BLANKS			
Reference	:	00428.FS1			
Date	:	16 December 2013	Page	:	1 of 2

Product Range:

Product:	Gray HC
LGC:	L6429
Cat Code:	V71

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
78	1.50	1.00 to 3.00	-8.00 to -4.75
78	3.25	1.00 to 3.00	-4.50 to -2.25
78	5.25	1.00 to 3.50	-2.00 to +1.50
78	6.75	1.00 to 3.00	+1.75 to +4.00

Material & Coating Specifications:

Type	CR-607®
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)	Activated: 2.0mm Centre Thickness. UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

Blank Information:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (mm) ⁽¹⁾	Nominal Edge Thickness (mm)
1.50	1.50	353.33	-3.00	12.5 ± 1.0	14.5
3.25	3.01	176.08	-6.00	10.0 ± 1.0	14.5
5.25	5.26	100.76	-6.00	9.0 ± 1.0	10.0
6.75	6.75	78.52	-6.00	12.0 ± 1.0	10.5

For External Distribution

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Transitions is a registered trademark of Transitions Optical Inc.

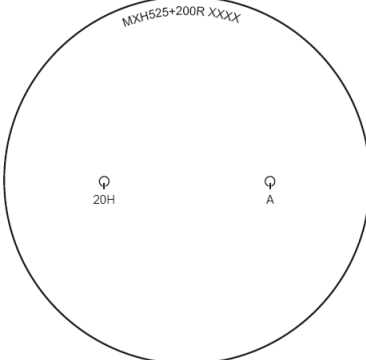
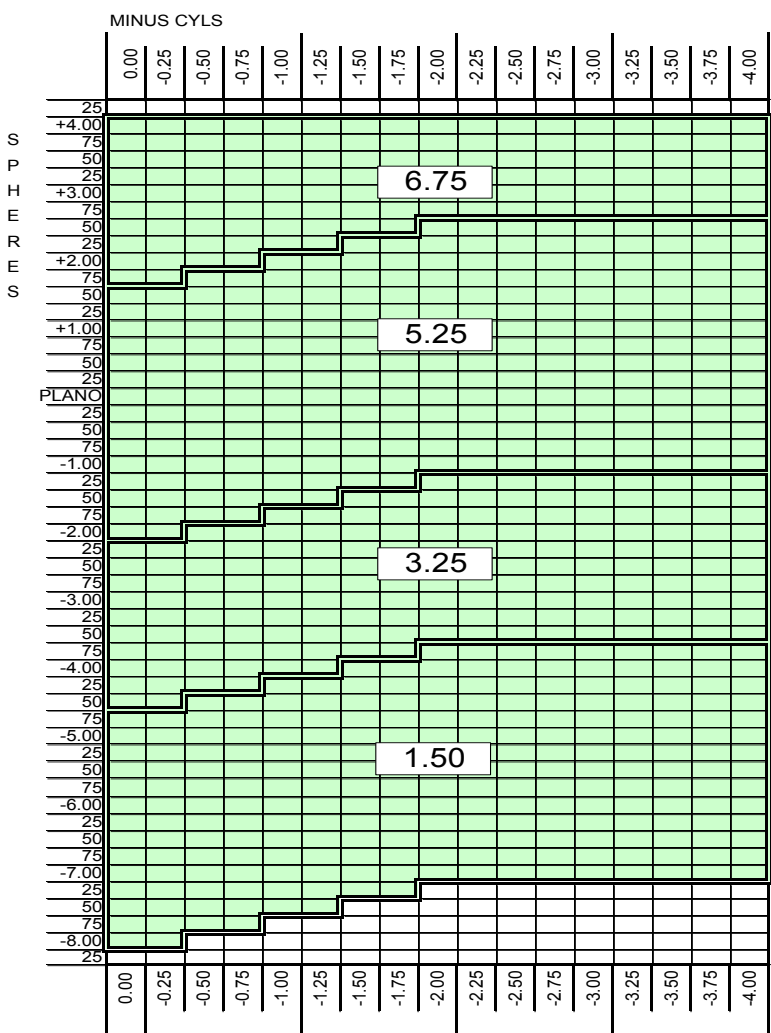
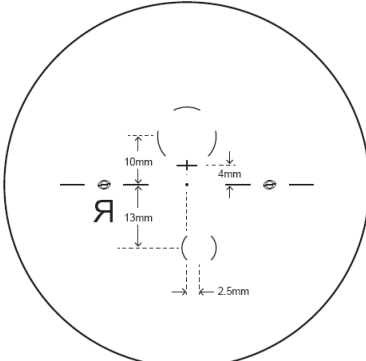
Reference	:	00428.FS1			
Date	:	16 December 2013	Page	:	2 of 2

Surfacing:

Recommended centre & edge thicknesses for all regions:

Power Range (D)	USA Market Minimum Centre Thickness (mm)	Int'l Market Minimum Centre Thickness (mm)	All Markets Minimum Edge Thickness (mm)
-9.00 to -2.00	2.0	1.5	
-1.75 to +2.00	2.0 or *	2.0 or *	1.0 *
+2.25 to +4.00			1.0
+4.25 to +6.00			0.5

* Thicknesses are based on whichever is the limiting factor.

Product Markings:	Recommended Range Chart:
Front Surface: Top Code Only 	
Ink Markings: 	
Back Surface Coding: 