



INSTINCTIVE - Fact Sheets

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INSTINCTIVE

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Product Fact Sheet

Instinctive™ / PEZ 1.67

Material: High Index 1.67

Coating:

<i>Coating Type</i>	<i>Scratch Resistant</i>	<i>Uncoated</i>
Chart Number	0835	TBD
Cat Code	923	TBD

"Not available in all markets"

Blank Diameter: 73mm (except 5 Base – 78mm) with optics centered.**Base Curves:** 1.00, 3.00, 5.00, 6.00, 7.00

Nominal Base Curve	Actual Base Curve (1.53)	Actual Base Curve (1.498)	Sagitta (50mm)	Back Curve (1.53)	Reference Center Thickness	Edge Thickness
1.00	1.40	1.32	0.826	-6.00	7.9	14.2
3.00	3.14	2.95	1.862	-6.00	8.9	13.0
5.00	4.97	4.67	2.972	-6.00	8.7	10.8
6.00	5.77	5.42	3.468	-6.00	11.0	12.1
7.00	6.80	6.39	4.118	-6.00	12.2	11.8

Add Powers: +0.75 to +3.50 in 0.25D steps.

Material Properties:

<i>Refractive index (nd)</i>	1.661
<i>Abbe Value (vd)</i>	32
<i>Specific Gravity</i>	1.37
<i>UV Protection</i>	100% UV-B, 100% UV-A

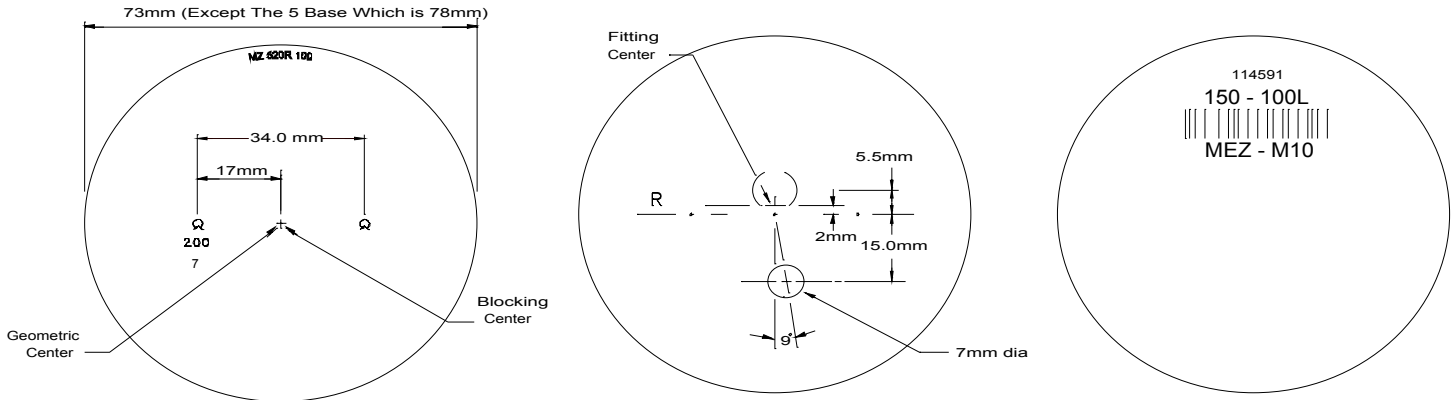
Prescription Range: -10.00 to +6.00 combined with -4.00 cyl

<i>Power (sphere)</i>	<i>Recommended Base Curve</i>
-10.00 to -5.25 D	1.00
-5.00 to -0.75 D	3.00
-0.50 to +2.00 D	5.00
+2.25 to +3.50 D	6.00
+3.75 to +6.00 D	7.00

Revision
20-May-08

Instinctive™ / PEZ 1.67

Lens Markings



Base Curve Selection Chart

		Minus Cyls																	
		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	+6.00																		
	+5.75																		
	+5.50																		
	+5.25																		
P	+5.00									7.00									
	+4.75																		
	+4.50																		
	+4.25																		
H	+4.00																		
	+3.75																		
	+3.50																		
	+3.25																		
E	+3.00																		
	+2.75																		
	+2.50																		
	+2.25																		
R	+2.00									6.00									
	+1.75																		
	+1.50																		
	+1.25																		
E	+1.00																		
	+0.75																		
	+0.50																		
	+0.25																		
S	+0.00																		
	-0.25																		
	-0.50																		
	-0.75																		
Plan	-1.00																		
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	-10.50																		
	-10.75																		



PRODUCT FACT SHEET

Substrate : **1.67 (MR-10) PhotoFusion®**
 Product Name : **PEZ / INSTINCTIVE™ PROGRESSIVE**
 Product Type : **SEMI-FINISHED BLANKS**
 Reference : 00248.FS2
 Date : 22 March 2012

Page : 1 of 2

Product Range:

	Grey
CAT Code	F55

Nominal Diameter	Nominal Base Curve (D)	Add Power Range (D)	Rx Range Recommended (D)
73 mm	1.00	0.75 to 3.50	-10.00 to -5.25
73 mm	3.00	0.75 to 3.50	-5.00 to -0.75
78 mm	5.00	0.75 to 3.50	-0.50 to +2.00
73 mm	6.00	0.75 to 3.50	+2.25 to +3.50
73 mm	7.00	0.75 to 3.50	+3.75 to +6.00

Material & Coating Specifications:

Type	MR-10™
Refractive Index	$n_d = 1.661$ (Helium 'd' line 587.56nm) $n_e = 1.666$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 32$ $v_e = 32$
Density	1.37 g.cm^{-3}
UV Protection (ISO)	100% UVA and 100% UVB Coated, Activated : 2.0mm Centre Thickness
Coating Type	Hard Coated

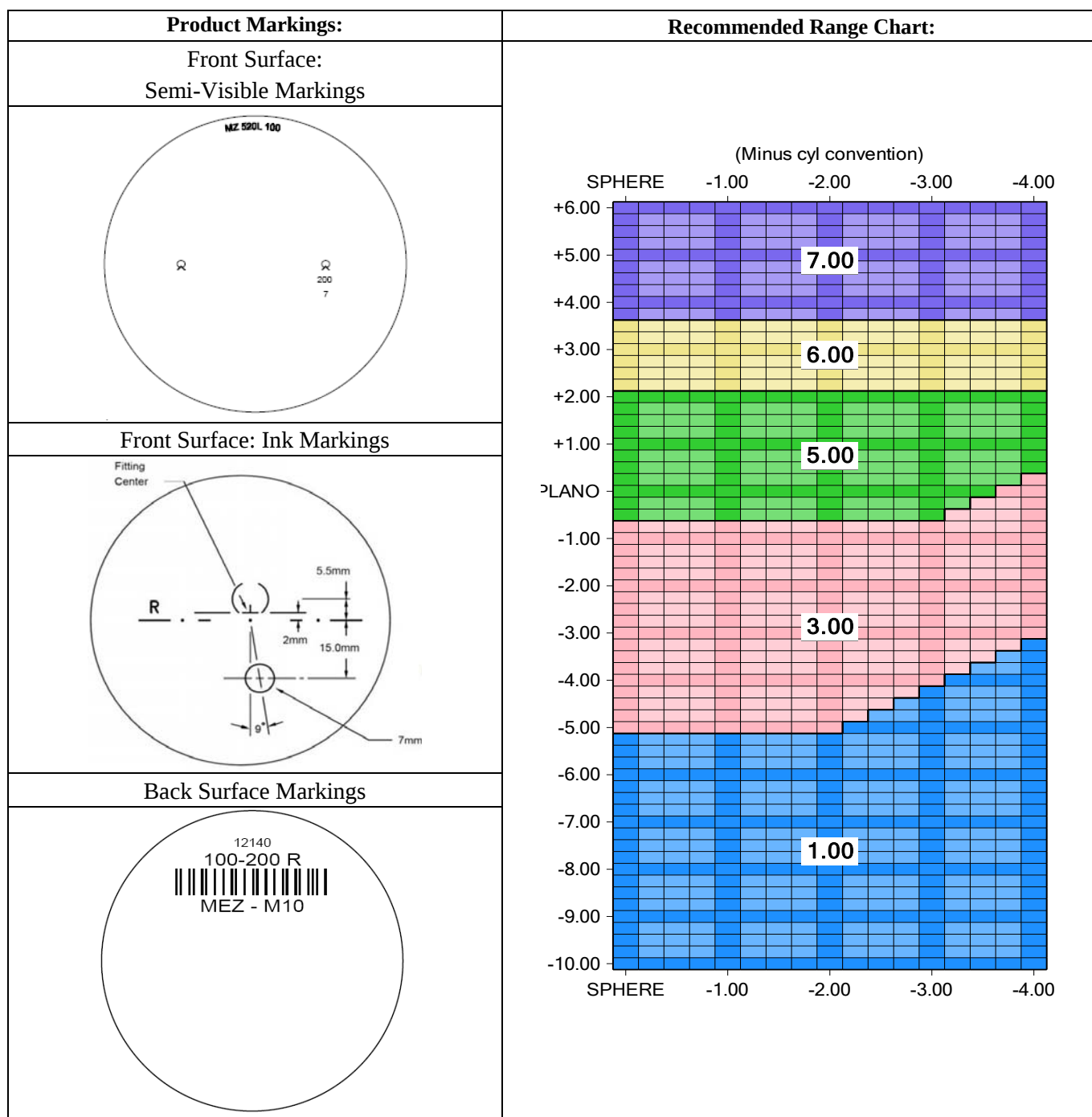
Blank Information: (As measured in 1.530 R.I)

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness at 'A' (mm)	Nominal Packaged Weight (g) (Based on 2.00 add)
1.00	1.40	378.57	-6.00	7.9	14.2	62
3.00	3.11	170.42	-6.00	8.9	13.0	61
5.00	4.94	107.29	-6.00	8.7	10.8	61
6.00	5.73	92.50	-6.00	11.0	12.1	64
7.00	6.76	78.40	-6.00	12.2	11.8	67

For External Distribution

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

Power Range	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-10.00 D to -2.00 D	1.5	
-1.75 D to +1.25 D	2.0 or *	1.0 *
+1.50 D to +3.75 D		1.0
+4.00 D to +6.00 D		0.5





PRODUCT FACT SHEET

Substrate	:	1.67 TRANSITIONS® SIGNATURE VII		
Product Name	:	PEZ / INSTINCTIVE PROGRESSIVE		
Product type	:	SEMI-FINISHED BLANKS		
Reference	:	00400.FS1		
Date	:	29 November 2013	Page	: 1 of 3

Product Range:

Product:	Gray HC
LGC:	L6439
Cat Code:	V65

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
73	1.00	0.75 to 3.50	-10.00 to -5.25
73	3.00	0.75 to 3.50	-5.00 to -0.75
78	5.00	0.75 to 3.50	-0.50 to +2.00
73	6.00	0.75 to 3.50	+2.25 to +3.50
73	7.00	0.75 to 3.50	+3.75 to +6.00

Material & Coating Specifications:

Type	MR-10®
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)	Activated: 2.0mm Centre Thickness. UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

For External Distribution

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MR-10 is a trademark of Mitsui Chemicals Inc.
Transitions is a registered trademark of Transitions Optical Inc.

Reference	:	00400.FS1			
Date	:	29 November 2013	Page	:	2 of 3

Blank Information:

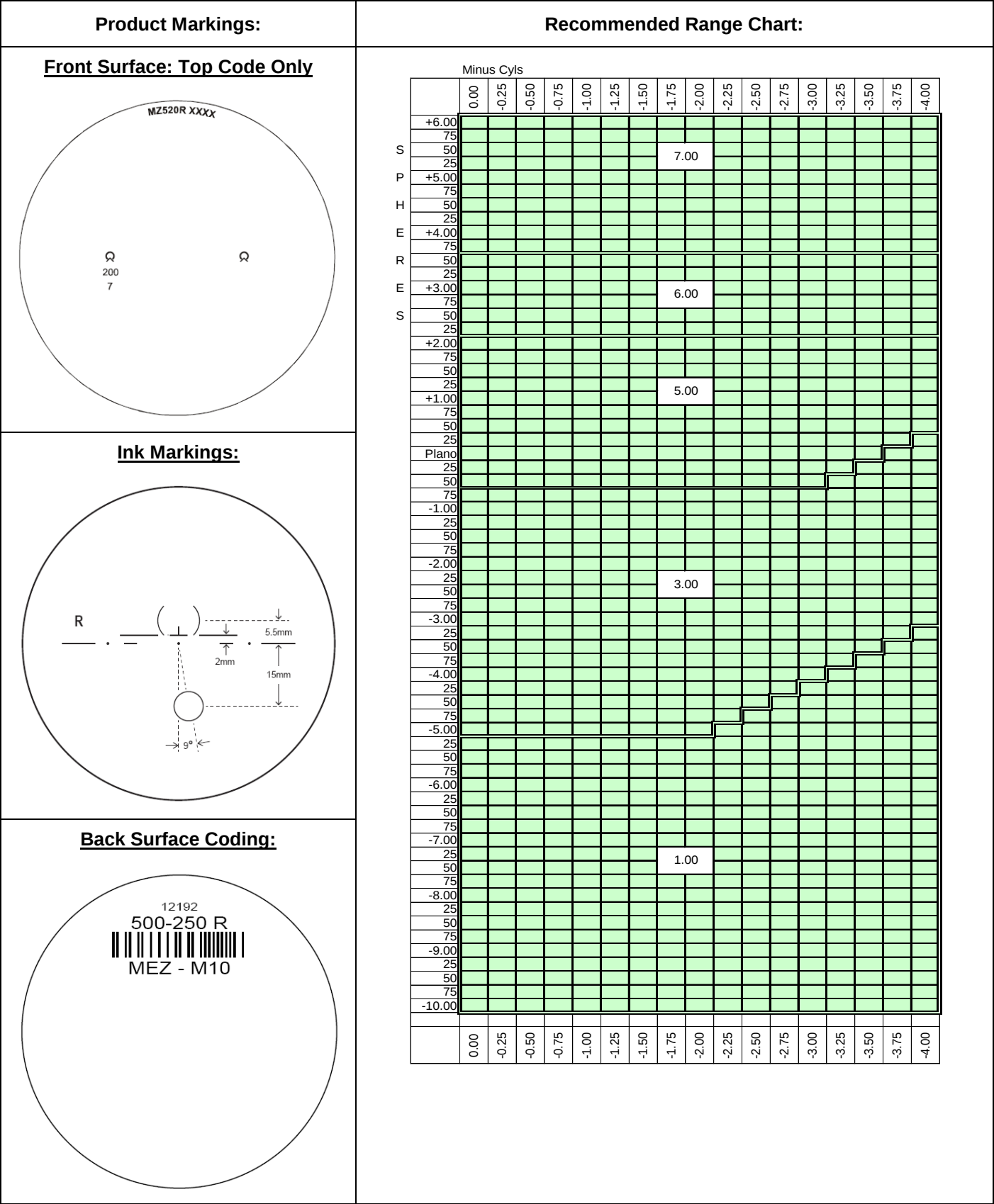
Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (mm) (± 1.0)	Nominal Edge Thickness at 'A' (mm)
1.00	1.40	378.57	-6.00	7.9	13.6
3.00	3.14	168.79	-6.00	8.9	12.3
5.00	4.97	106.64	-6.00	8.7	9.8
6.00	5.77	91.85	-6.00	11.0	10.8
7.00	6.80	77.94	-6.00	12.2	10.5

Surfacing:

Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-10.00 to -2.00	2.0	
-1.75 to +1.25	2.0 or *	1.0 *
+1.50 to +3.75		1.0
+4.00 to +6.00		0.5

* Thicknesses are based on whichever is the limiting factor.





PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE			
Product Name	:	PEZ /INSTINCTIVE PROGRESSIVE			
Product type	:	SEMI-FINISHED BLANKS			
Reference	:	00084.FS2			
Date	:	25 March 2013	Page	:	1 of 2

Product Range:

Product:	Hard Coated
CAT Code:	130
LGC:	L2222

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
75	1.50	1.00 to 3.50	-9.00 to -5.25
75	3.50	1.00 to 3.50	-5.00 to -0.75
75	5.50	1.00 to 3.50	-0.50 to +2.00
75	7.50	1.00 to 3.50	+2.25 to +5.00

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)	Coated: 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 ($\pm 1.0\text{mm}$)	Nominal Edge Thickness (mm)
1.50	1.57	337.58	-5.75	7.8	12.6
3.50	3.54	149.72	-5.75	7.7	10.1
5.50	5.42	97.79	-5.75	8.3	8.3
7.50	7.47	70.95	-8.00	11.3	11.7

For External Distribution

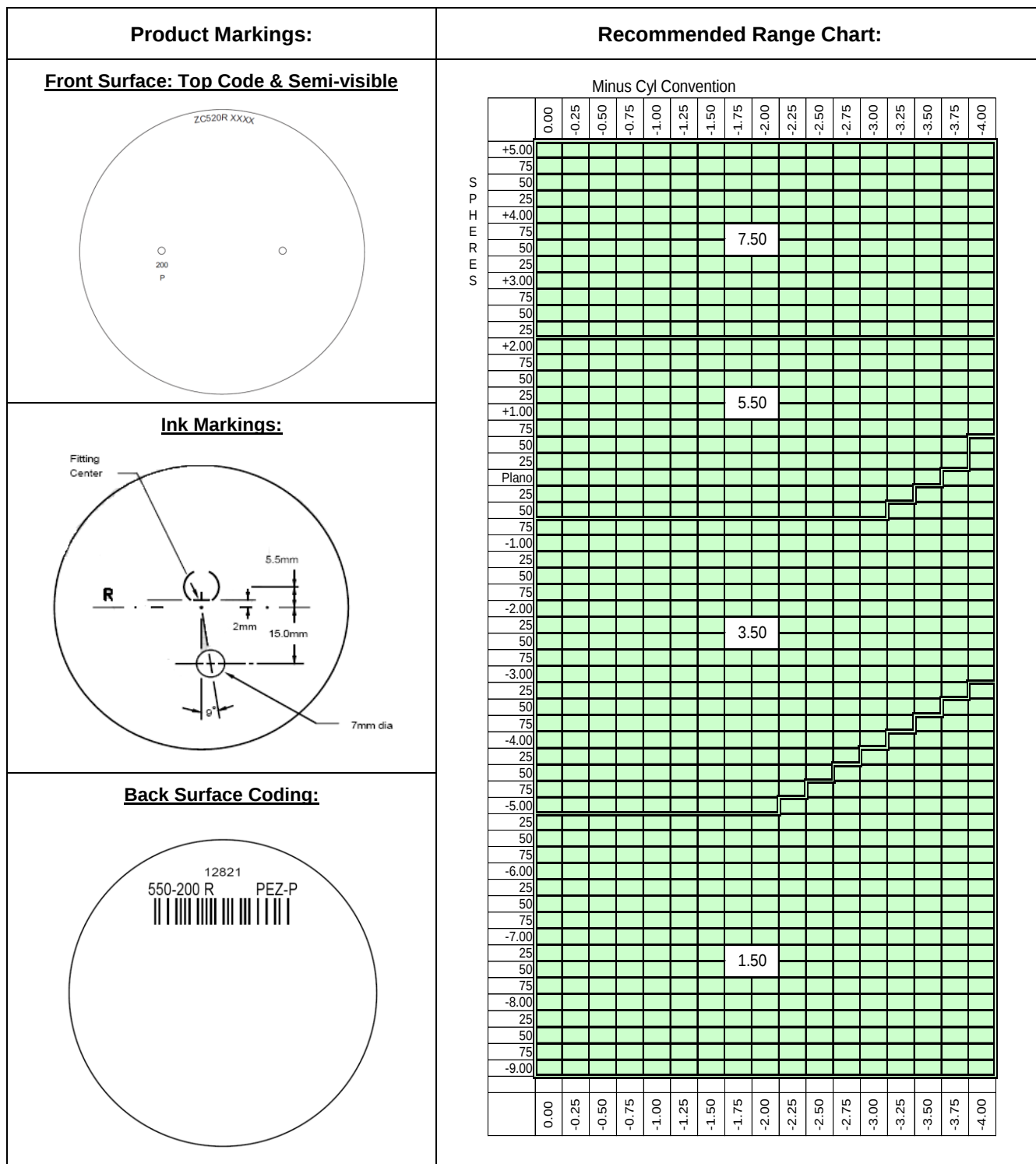
Reference	:	00084.FS2			
Date	:	25 March 2013	Page	:	2 of 2

Surfacing:

Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-9.00 to -2.00	1.5	
-1.75 to +1.25	1.5 or *	1.5 *
+1.50 to +3.75		1.0
+4.00 to +5.00		0.5

* Thicknesses are based on whichever is the limiting factor





PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE PhotoFusion®			
Product Name	:	PEZ /INSTINCTIVE PROGRESSIVE			
Product type	:	SEMI-FINISHED BLANKS			
Reference	:	00247.FS3			
Date	:	25 March 2013	Page	:	1 of 2

Product Range:

Product:	Grey HC
CAT Code:	F54
LGC:	L6114

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
72	1.50	1.00 to 3.00	-9.00 to -5.25
72	3.50	1.00 to 3.00	-5.00 to -0.75
72	5.50	1.00 to 3.00	-0.50 to +2.00
72	7.50	1.00 to 3.00	+2.25 to +5.00

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)	Coated, 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 ($\pm 1.0\text{mm}$)	Nominal Edge Thickness (mm)
1.50	1.62	327.16	-5.75	7.6	12.5
3.50	3.61	146.81	-5.75	7.5	9.9
5.50	5.47	96.89	-5.75	8.1	7.9
7.50	7.53	70.38	-8.00	11.1	11.3

For External Distribution

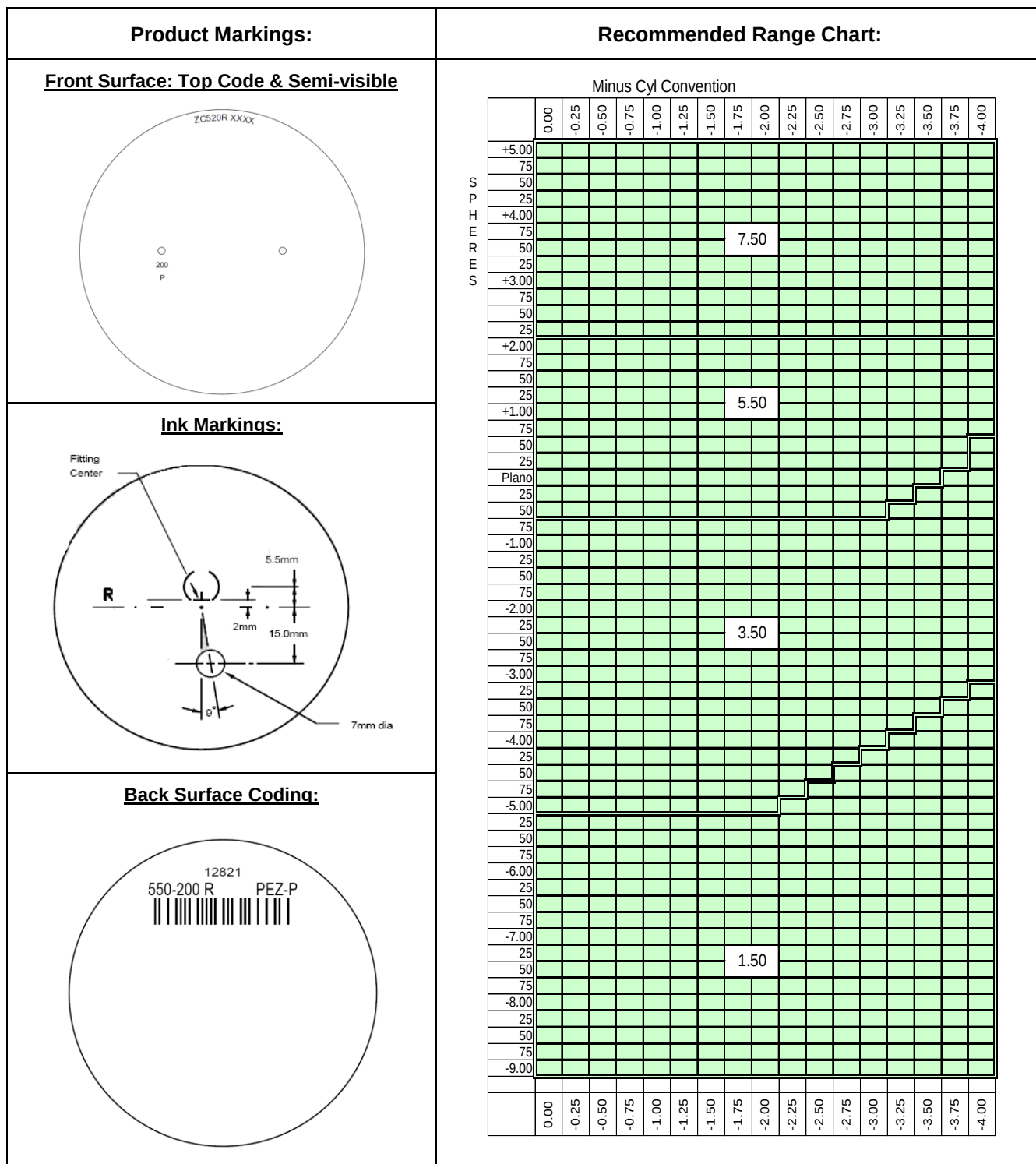
Reference	:	00247.FS3			
Date	:	25 March 2013	Page	:	2 of 2

Surfacing:

Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-9.00 to -2.00	1.5	
-1.75 to +1.25	1.5 or *	1.5 *
+1.50 to +3.75		1.0
+4.00 to +5.00		0.5

* Thicknesses are based on whichever is the limiting factor





PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE TRANSITIONS® SIGNATURE VII			
Product Name	:	INSTINCTIVE / PEZ PROGRESSIVE			
Product type	:	SEMI-FINISHED BLANKS			
Reference	:	00420.FS1			
Date	:	17 December 2013	Page	:	1 of 2

Product Range:

Product:	Gray HC
LGC:	L6438
Cat Code:	V66

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
72	1.50	1.00 to 3.00	-9.00 to -5.25
72	3.50	1.00 to 3.00	-5.00 to -0.75
72	5.50	1.00 to 3.00	-0.50 to +2.00
72	7.50	1.00 to 3.00	+2.25 to +5.00

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 ($\pm 1.0\text{mm}$)	Nominal Edge Thickness at 'A' (mm)
1.50	1.62	327.16	-5.75	7.6	12.5
3.50	3.61	146.81	-5.75	7.5	9.9
5.50	5.47	96.89	-5.75	8.1	7.9
7.50	7.53	70.38	-8.00	11.1	11.3

For External Distribution

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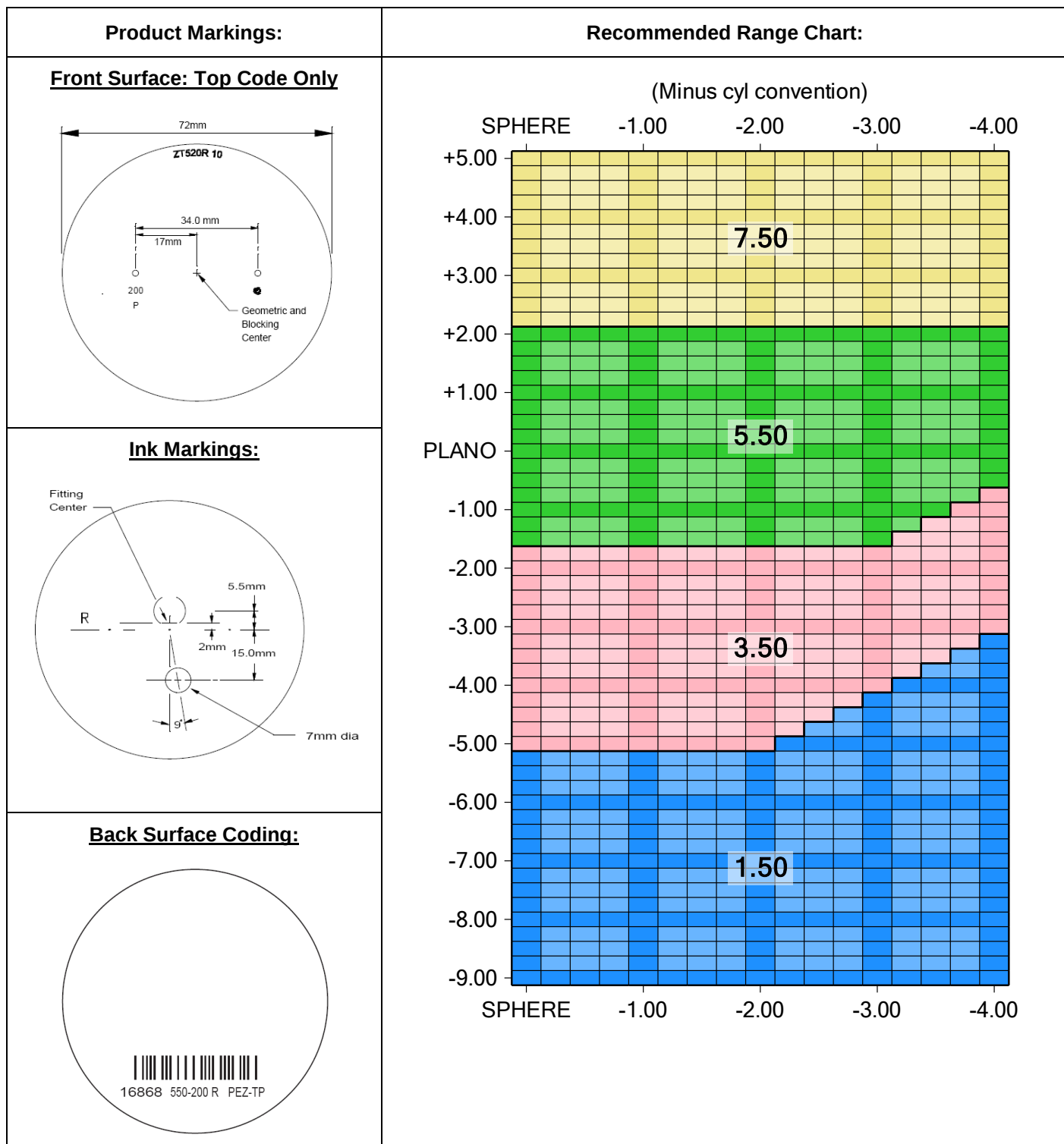
Reference	:	00420.FS1		
Date	:	17 December 2013	Page	: 2 of 2

Surfacing:

Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-9.00 to -2.00	1.5	
-1.75 to +2.00	1.5 or *	1.5 *
+2.25 to +4.00		1.0
+4.25 to +5.00		0.5

* Thicknesses are based on whichever is the limiting factor.





Product Fact Sheet

Instinctive™ / PEZ

Material: Hard Resin

Coating:	Coating Type	Scratch Resistant	Uncoated
	Chart Number	1027	1026
	Cat Code	693	520

Blank Diameter: 75mm with optics decentered 2.5mm laterally for an 80mm yield.

Base Curves: 1.50, 3.50, 5.50, 7.50

Nominal Base Curve	Actual Base Curve (1.53)	Actual Base Curve (1.498)	Sagitta (50mm)	Back Curve (1.53)	Reference Center Thickness	Edge Thickness
1.50	1.55	1.46	0.915	-3.00	11.9	13.5
3.50	3.50	3.29	2.078	-6.00	9.9	12.8
5.50	5.40	5.07	3.237	-6.00	8.4	8.8
7.50	7.44	6.99	4.531	-6.00	12.0	9.1

Add Powers: +0.75 to +3.50 in 0.25D steps.

Material Properties:

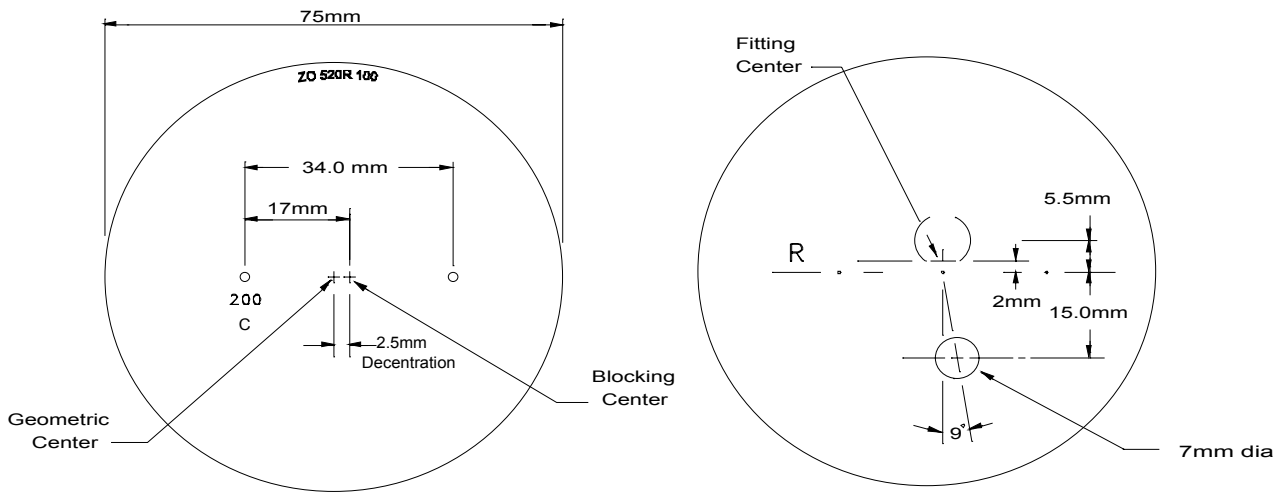
Refractive index (n_d)	1.499
Abbe Value (v_d)	58
Specific Gravity	1.32
UV Protection	100% UV-B, 91% UV-A

Prescription Range: -9.00 to +5.00 combined with -4.00 cyl

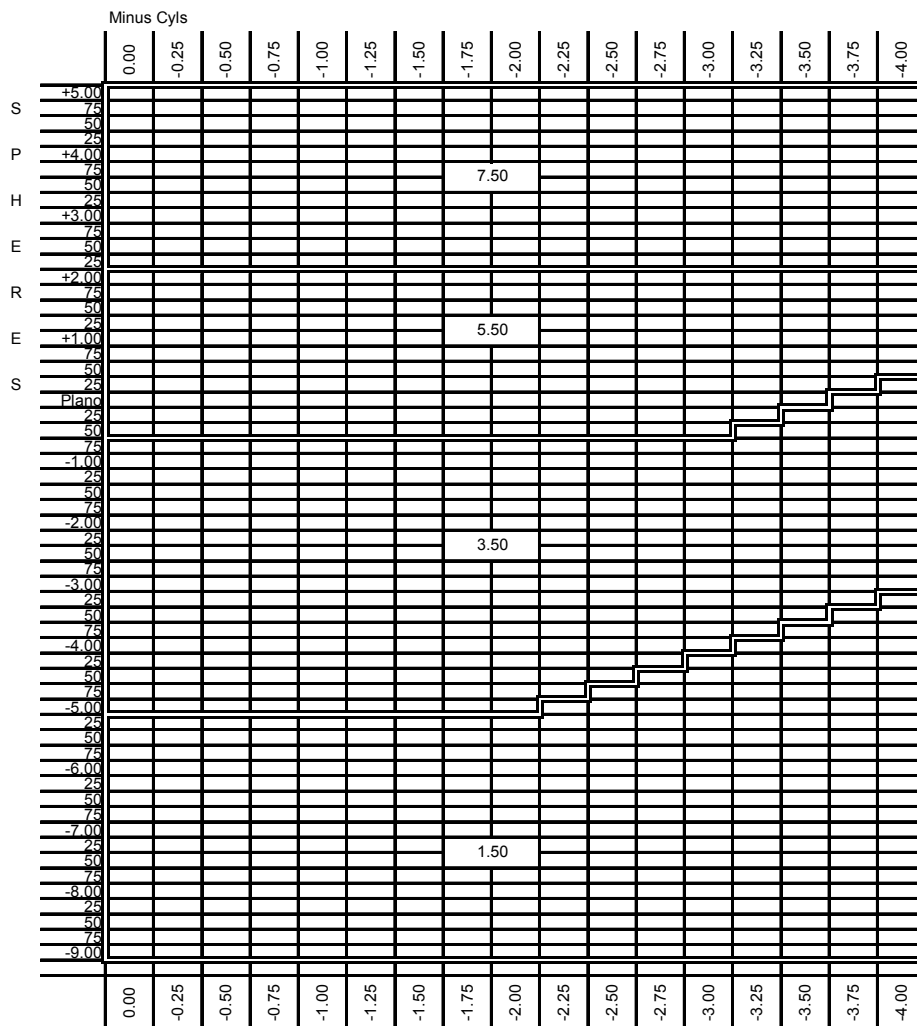
Power (sphere)	Recommended Base Curve
-9.00 to -5.25 D	1.50
-5.00 to -0.75 D	3.50
-0.50 to +2.00 D	5.50
+2.25 to +5.00 D	7.50

Revision 2
20-May-08

Instinctive™ / PEZ



Base Curve Selection Chart



Revision 2



PRODUCT FACT SHEET

Substrate : **1.50 PhotoFusion®**
 Product Name : **PEZ / INSTINCTIVE**
 Product Type : **SEMI-FINISHED PROGRESSIVE BLANKS**
 Reference : 00225.FS1
 Date : 21 March 2012

Page : 1 of 2

Product Range:

	Grey	Brown
CAT Code	F52	F53

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
73/78	1.50	0.75 to 3.50	-9.00 to -5.25
73/78	3.50	0.75 to 3.50	-5.00 to -0.75
73/78	5.50	0.75 to 3.50	-0.50 to +2.00
73/78	7.50	0.75 to 3.50	+2.25 to +5.00

Material & Coating Specifications:

Type	1.5 PhotoFusion
Refractive Index	$n_d = 1.502$ (Helium 'd' line 587.56nm) $n_e = 1.504$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 54, v_e = 52$
Density	1.18 g.cm ⁻³
Luminous Transmittance (clear state)	≥ 87%
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)

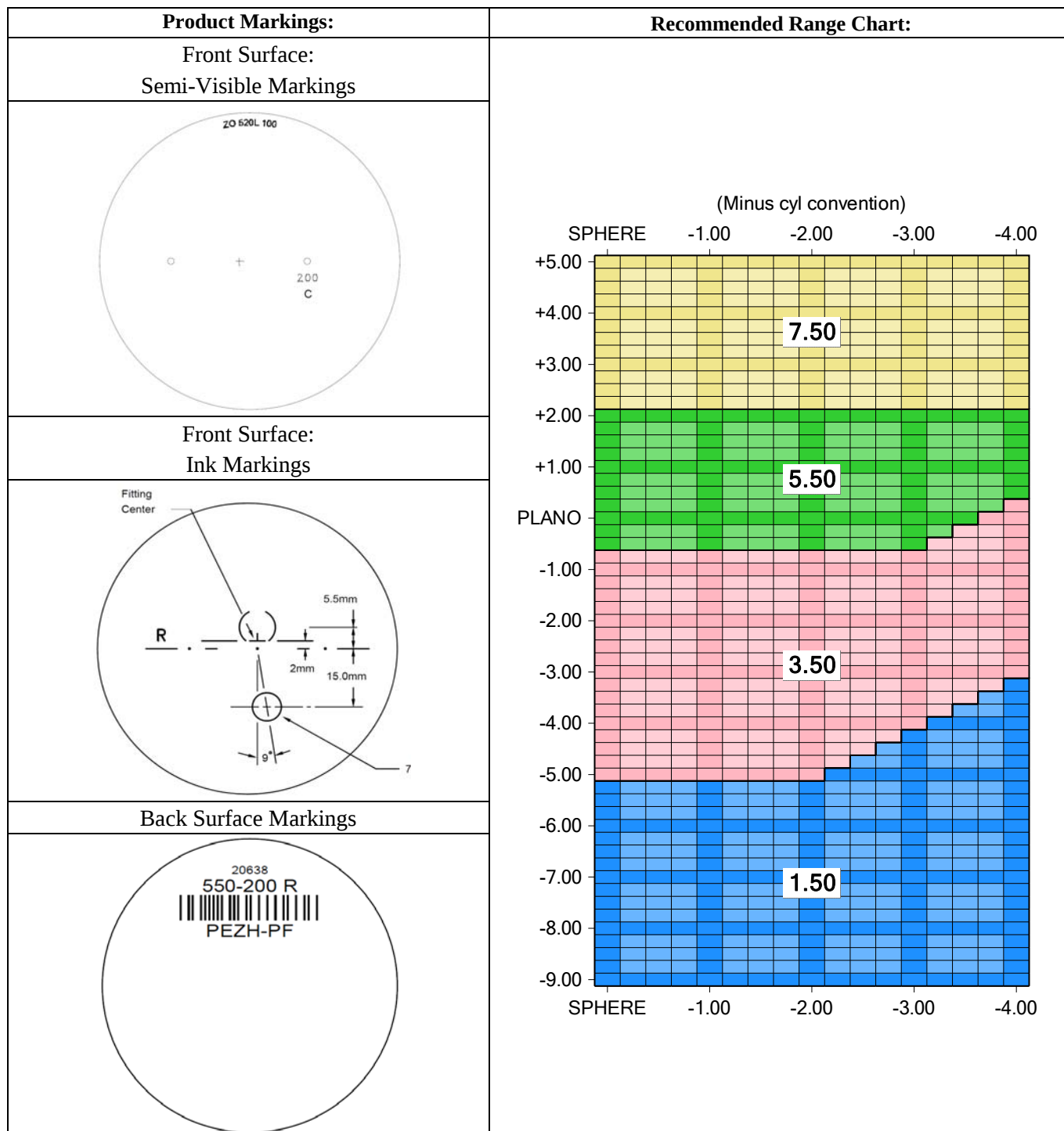
Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0mm)	Nominal Thickness at 'A' (mm)
1.50	1.57	337.58	-3.00	11.9	13.4
3.50	3.52	150.57	-6.00	9.9	12.6
5.50	5.40	98.15	-6.00	8.4	8.8
7.50	7.47	70.95	-6.00	12.0	9.2

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)
-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 +5.00			0.5

*Thicknesses are based on whichever is the limiting factor.





PRODUCT FACT SHEET

Substrate	:	1.5 TRANSITIONS® SIGNATURE VII		
Product Name	:	PEZ / INSTINCTIVE PROGRESSIVE		
Product type	:	SEMI-FINISHED BLANKS		
Reference	:	00363.FS2		
Date	:	27 November 2013	Page	: 1 of 2

Product Range:

Product:	Brown HC	Gray HC	Brown Unc	Gray Unc
LGC:	L6392	L6391	L6303	L6302
Cat Code:	V63	V64	n/a	n/a

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
73/78	1.50	0.75 to 3.50	-9.00 to -5.25
73/78	3.50	0.75 to 3.50	-5.00 to -0.75
73/78	5.50	0.75 to 3.50	-0.50 to +2.00
73/78	7.50	0.75 to 3.50	+2.25 to +5.00

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 ($\pm 1.0\text{mm}$)	Nominal Edge Thickness (mm)
1.50	1.57	337.58	-3.00	11.9	13.4
3.50	3.50	151.43	-6.00	9.9	12.6
5.50	5.40	98.15	-6.00	8.4	8.8
7.50	7.47	70.95	-6.00	12.0	9.2

For External Distribution

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CR-607 is a registered trademark of PPG Industries Inc.
Transitions is a registered trademark of Transitions Optical Inc.

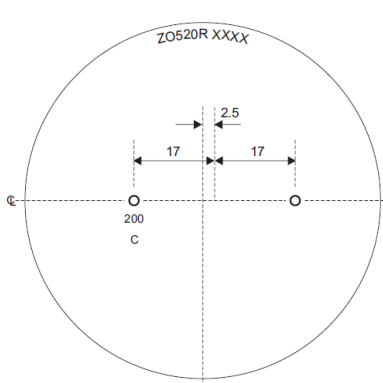
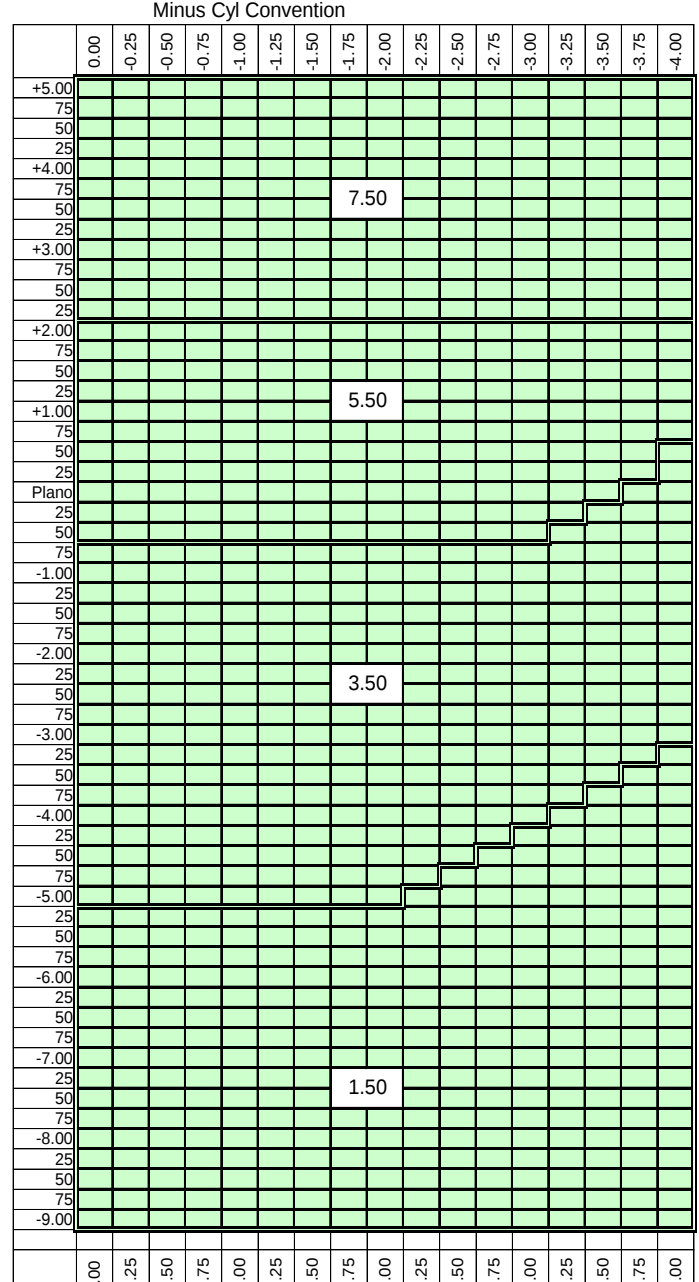
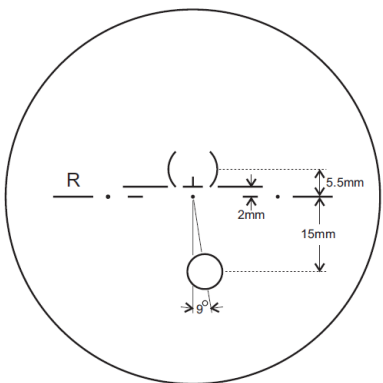
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Date	:	27 November 2013	Page	:	2 of 2

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)
-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 +5.00			0.5

* Thicknesses are based on whichever is the limiting factor

Product Markings:	Recommended Range Chart:
Front Surface: Top Code & Semi-visible 	Minus Cyl Convention 
Ink Markings: 	
Back Surface Coding: 	