

Substrate : **HARD RESIN**

Product Name : **CLARLET® 1.5 GRADAL® RD** Cat Code: 706

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

Reference : Z00009.FS2

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**Marketing Regions:** North America – Coated Product

**Product Range:**

Nominal Diameter	Nominal Base Curve (D)	Add Power Range (D)	Rx Range Recommended (D)
75	4.30	0.50 to 2.50	-7.00 to -1.50
75	5.10	0.50 to 2.50	-1.25 to +0.75
75	5.70	0.50 to 2.50	+1.00 to +2.50
75	6.60	0.50 to 2.50	+2.75 to +4.00
75	7.10	0.50 to 2.50	+4.25 to +6.00

**Material & Coatings:**

<b>Type</b>	<b>CR-39®</b>
<b>Refractive Index</b>	$\eta_d = 1.499$ (Helium 'd' line 587.56nm) $\eta_e = 1.500$ (Mercury 'e' line 546.07nm)
<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>	2.0 mm Centre Thickness UVA: 91 %, UVB: 100 %
<b>Coating Type</b>	<b>Ultra-Tough™</b>

## For External Distribution

**Blank Information:**

North America - Thin Version:

Nominal Base	True Front Curve (D) (1.530)	TF Radii (mm)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness at 'A' (mm)
4.30	4.83	109.73	-4.0	10.0 (±1.0)	9.3
5.10	5.69	93.15	-4.0	11.0 (±1.0)	9.0
5.70	6.35	83.46	-4.0	12.5 (±1.0)	10.3
6.60	7.21	73.51	-4.0	14.0 (±1.0)	9.8
7.10	7.17	73.92	-4.0	14.0 (±1.0)	9.8

~~Europe - Thick Version:~~

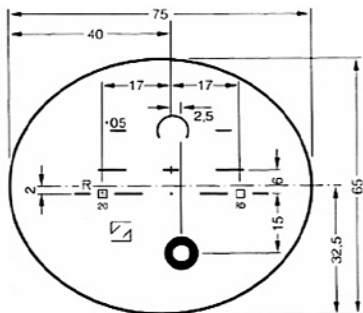
<del>Nominal Base</del>	<del>True Front Curve (D) (1.530)</del>	<del>TF Radii (mm)</del>	<del>Nominal Back Curve (D)</del>	<del>Centre Thickness (mm)</del>	<del>Nominal Edge Thickness at 'A' (mm)</del>
<del>4.30</del>	<del>4.55</del>	<del>116.51</del>	<del>-4.0</del>	<del>15.0 (±1.0)</del>	<del>15.5</del>
<del>5.10</del>	<del>5.39</del>	<del>98.24</del>	<del>-4.0</del>	<del>16.0 (±1.0)</del>	<del>16.0</del>
<del>5.70</del>	<del>6.03</del>	<del>87.89</del>	<del>-4.0</del>	<del>17.5 (±1.0)</del>	<del>16.0</del>
<del>6.60</del>	<del>6.98</del>	<del>75.91</del>	<del>-4.0</del>	<del>19.0 (±1.0)</del>	<del>15.5</del>

Note 1: Blank thickness is determined by **centre thickness**.

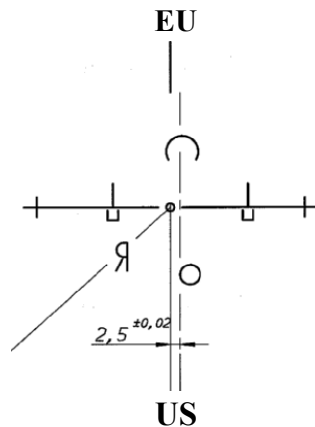
Note 2: Blanks having visually uneven edge thickness shall be checked for prism.

**Product Markings:**

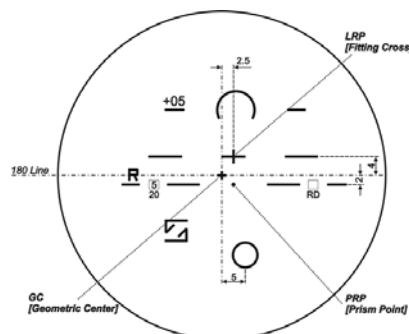
Front Surface:  
Semi-Visible Markings



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



Back Surface : Coding



**Surfacing:**

Recommended centre & edge thickness for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-7.00 to -0.75	1.8	
-0.50 to +0.00	1.9 to 2.0	
+0.25 to +6.00		1.9 to 0.6

**Recommended Range Chart:**

