

## Photomask Blank Plates Large Format

PARAMETER	SPECIFICATION	
<b>MATERIALS AVAILABLE:</b>	GLASS/SODA LIME (OTHER MATERIALS AVAILABLE UPON REQUEST)	
<b>DIMENSIONS:</b>	PHOTOMASK BLANKS ARE AVAILABLE IN ANY DIMENSIONS WITH A WIDE RANGE OF EXISTING TOOLING READILY AVAILABLE. (SOME CUSTOM SIZES MAY REQUIRE AN ADDITIONAL NON-RECURRING TOOLING CHARGE.) MAXIMUM SIZE: SQUARE – 16" X 16", RECTANGLE – 14" X 18"	
<b>THICKNESS (STANDARD):</b>	0.060", 0.090" AND 0.120" (OTHER THICKNESSES AVAILABLE UPON REQUEST)	
<b>DIMENSIONAL TOLERANCES:</b>	PLATE LENGTH	+0.000/-0.040"
	PLATE WIDTH	+0.000/-0.040"
	PLATE THICKNESS	±0.004"
<b>FLATNESS:</b>	≤10μm/100mmx100mm	
<b>BOW:</b>	≤0.2mm	
<b>METALIZED COATING:</b>	LOW, MEDIUM OR HIGH REFLECTIVE CHROME	
<b>OPTICAL DENSITY:</b>	≥5.0 AT BLUE FILTER ON MACBETH 101	
<b>REFLECTIVITY:</b>	LOW REFLECTIVITY	<12±2% AT 450nm
	MEDIUM REFLECTIVITY	33±3% AT 450nm
	HIGH REFLECTIVITY	60±3% AT 450nm
<b>PHOTORESIST COATING:</b>	AZTFP-650 STANDARD, AZ1518 AVAILABLE	
<b>PHOTORESIST THICKNESS:</b>	10,000±100Å STANDARD	
<b>USABLE AREA:</b>	10mm SMALLER THAN PLATE SIZE	
<b>DEFECT SPECIFICATIONS:</b>	GLASS (PITS, SCRATCHES & INCLUSIONS)	≤20μ
	CHROME COATING (PINHOLES & SCRATCHES)	≤20μ & ≤0.05" <sup>2</sup>
	RESIST COATING (PINHOLES, SCRATCHES & VOIDS)	≤10μ
<b>PACKAGING:</b>	UNITS ARE SHIPPED IN Nanofilm DESIGNED, 5-PIECE POLYSTYRENE SHIPPING BOXES WITH V-GROVE SLOTS AND LOCKING COVERS	