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### Makrolon® IR POLYCARBONATE SHEET

PRODUCT DESCRIPTION: Makrolon® IR polycarbonate sheet is manufactured for use in face shields applications where IR blocking is required for eye safety (such as flame welding or flame cutting).

GAUGES: 0.044" and 0.060"

GAUGE TOLERANCE: +/- 10% of nominal at 0.044"  
+/- 5% of nominal at 0.060"

TOLERANCE: Width: -0 to + 1/4"  
Length: -0 to + 1/4"  
Standard size overage: +3/8" to 5/8"

WARP: Sheet to be flat within 1/4" when measured with the sheet placed on a flat surface.

SQUARE: 1/4" maximum

COLORS: IR blocking colors S34, S36, S54, S56

SURFACE FINISH: Polished both sides. No polish skips allowed.

INTERNAL DEFECTS: Bubbles and carbon particles. None greater than 0.0625" diameter--no clusters or chains.

<u>Defect Size (Dia.)</u>	<u>Limit No (Max per ft<sup>2</sup>).</u>
> 0.0625"	None
0.032" - 0.0625"	1
<0.032"	not counted

EXTERNAL DEFECTS: Die/Burn lines--none allowed.

SCRATCHES: None through or under masking.

CROSSLINES AND DISTORTION: Minimum Rating of 7 using Sheffield Test Method