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## MAKROLON® OP POLYCARBONATE SHEET

<u>PRODUCT DESCRIPTION:</u>	MAKROLON® OP polycarbonate sheet is manufactured for use in applications where improved optical properties are required.								
<u>GAUGES:</u>	.060" - .500"								
<u>GAUGE TOLERANCE:</u>	+/- 5% of nominal								
<u>TOLERANCE:</u>	Width: + ¼", - 0 Length: + ¼", - 0 Standard size overage: +3/8"								
<u>WARP:</u>	Sheet to be flat within ¼" when measured with the sheet placed on a flat surface.								
<u>SQUARE:</u>	¼" maximum								
<u>COLORS:</u>	Clear, Grey I30 and Bronze K09 I30 and K09 Light Transmission: 50%, +/- 5%								
<u>SURFACE FINISH:</u>	Polished both sides. No polish skips allowed.								
<u>INTERNAL DEFECTS:</u>	Bubbles and carbon particles. None greater than .0625" diameter--no clusters or chains. <table><thead><tr><th><u>Defect Size (Dia.)</u></th><th><u>Limit No.*</u></th></tr></thead><tbody><tr><td>&gt; .0625"</td><td>None</td></tr><tr><td>.032" - .0625"</td><td>1</td></tr><tr><td>&lt;.032"</td><td>not counted</td></tr></tbody></table> <p>(*) Limit No. - Average of an 8 Sq. Ft. sample. Defects shall not exceed limit number by more than a factor of three in any one square foot.</p>	<u>Defect Size (Dia.)</u>	<u>Limit No.*</u>	> .0625"	None	.032" - .0625"	1	<.032"	not counted
<u>Defect Size (Dia.)</u>	<u>Limit No.*</u>								
> .0625"	None								
.032" - .0625"	1								
<.032"	not counted								
<u>EXTERNAL DEFECTS:</u>	Die/Burn lines--none allowed.								
<u>SCRATCHES:</u>	None through or under masking.								
<u>CROSSLINES AND DISTORTION:</u>	Minimum Rating--seven (7) using Sheffield Test Method.								