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## Makrolon® FP POLYCARBONATE SHEET

**PRODUCT DESCRIPTION:** Makrolon® FP polycarbonate sheet is manufactured for use in transportation and architectural applications where abrasion-resistant polycarbonate is required in addition to a product with printed borders or designs.

**PRODUCT DESIGNATION:** FM = Monolithic, FL = Laminate

**GAUGE:** FM = 0.093" - 0.500", FL=0.750"

**GAUGE TOLERANCE:** +/- 5% of nominal.

**MASTER BLANK TOLERANCE:** Width: + 1/4", -0"  
 Length: + 1/4", -0"

**WARP:** Sheet to be flat within 1/2" when measured with the sheet placed on a flat surface

**SQUARE:** Difference in diagonals: <1/2"

**EXTERNAL DEFECTS<sup>1</sup>:** Die/burn lines - None shall be visible from three-foot viewing distance in reflected or transmitted light

<u>SCRATCHES:</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>MAXIMUM DEFECTS/FT<sup>2</sup></u>
	>1.5"	<0.010"	0
	0.5" - 1.5"	<0.010"	1
	0.25" - 0.5"	<0.010"	4

**DEFECTS: INTERNAL, SURFACE and INK SPOTS (MAXIMUM DEFECTS/FT<sup>2</sup>):**

<u>SIZE</u>	<u>FM</u>	<u>FL</u>
>0.065"	0	2
0.032" - 0.065"	1	4
0.020" - 0.031"	5	10
≤0.019"	-	Not counted

No clusters of 3 or more above 0.019" in a 1" circle

<u>LINT(MAXIMUM DEFECTS/FT<sup>2</sup>):</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>FM</u>	<u>FL</u>
	>0.5"	<0.30"	0	0
	≤0.5"	<0.20"	2	2

<u>VOIDS IN PRINTED AREAS:</u>	<u>SIZE</u>	<u>LIMIT (DEFECTS/LINEAL FT)</u>
	>0.032"	0
	0.020"- 0.031"	4
	0.010"- 0.019"	8
	<0.010"	Not counted