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MAKROLON® AR POLYCARBONATE SHEET

PRODUCT DESCRIPTION: Makrolon® AR polycarbonate sheet is manufactured for use in applications where abrasion-resistant polycarbonate is required.

GAUGE: .093" - .500"

GAUGE TOLERANCE: +/- 5% of nominal.

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

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

SQUARE: If Length and Width are < 48" then 1/8" maximum, ≥ 48" then 1/4" maximum.

EXTERNAL DEFECTS¹: Die/burn lines - None shall be visible from three-foot viewing distance in reflected or transmitted light.

SCRATCHES	LENGTH	WIDTH	MAXIMUM DEFECTS	
	>1.5"	<.010"		0
.5" - 1.5"	<.010"		1	
.25" - .5"	<.010"		4	

SURFACE DEFECTS	SIZE		.093" - .312"	.375" - .500"
	.032" - .065"	Major	1	3
.020" - .031"	Major	5	8	
.010" - .019"	Minor	-	Not counted	-

LINT	Length	Width	.093" - .312"	.375" - .500"
	>.5"	<.30" Major		0
≤.5"	<.20" Minor		2	2

INTERNAL DEFECTS¹: Black Specks -

SIZE	.093" - .312"	.375" - .500"
	.032" - .065" Major	1
.020" - .031" Major	4	6
.010" - .019" Minor	-	Not counted

No clusters of 3 or more above .019" in a 1" circle.

¹ - Defect tolerance defined as average per square foot from an 8 square foot area.