

Professional Plastics, Inc.

Product Specification: Pro Mirror AC 1000 Transportation Mirror

Material Grade: Abrasion Resistant coated Transportation Quality Polycarbonate Mirror, Flame Retardant and Meets UL-94 V-0 and FAR 25.853

Material Color: Clear

Note This specification is to be used as a base line of acceptance. Polycarbonate sheet **Cannot** be manufactured completely without flaws however, the use of this document shall insure that only those sheets meeting this specification shall be of Pro Mirror AC 1000 quality.

Property	Test	Limits	
(1) Dimension	PJMP 1000.1	Min	Max
a. Gauge tolerance		-10%	+10%
Nominal Gauge Range Available .080			
b. Width Tolerance 48"	PJMP 1001	-0	+5"
c. Length Tolerance 96"	PJMP 1002	-0	+2"
(2) Appearance			
a. Warpage	PJMP 2000	Length divide by 100	
b. Squareness	PJMP 2001	.500" (Max)	
c. Ripples and Distortion	PJMP 2002	As compared to Professional Plastics Visual Standard	
(3) Visual Defects	PJMP 3000		
100% Visual Inspection Performed			
a. Black Speck, Carbon Defect Size	PJMP 3001	Max Per Sq. Ft.	
.040" - .065"		1	
.032" - .039"		3	

.020" - .031"	3
.010" - .019"	10
a. Inclusions, Pits, Bubbles PJMP 3002	Max Per Sq. Ft.
Defect Size	
.040" - .065"	1
.032" - .039"	3
.020" - .031"	4
.010" - .019"	10

(4) Mirror PJMP 3003

Visual Defects

Visual Inspection Performed Max Defects Per Sheet

a. Aluminum splatter

Defect Size

.065" - .500" 1 cluster

b. Voids, White Spots **PJMP 3004**

Max Defects Per Sq.

Ft.

Defect Size

.040" - .065" 1

.032" - .039" 2

.020" - .031" 4

.010" - .019" 8

b. Paint **PJMP 3005**

1. Thickness 1.5 – 2.0 Mils

2. Uniformity **PJMP 3006** Pass

Test

****** NOTE******

- No black speck clusters of 3 or more above 0.19" – 1.0" diameter
- Shall be no more than 10% of any production run that yields a 20% loss of sheet resulting from aluminum splatters.
- There shall be no more than 1 splatter cluster per sheet, and limited to 20% of the total sheet area, thus leaving 80% usable sheet.

(5) Coating

a. <i>Taber Abrasion,</i> <i>Max</i> <i>Haze (at 100 Cycles)</i>	PJMP 4000	4%
b. Coating adhesion removed (Scribe)	PJMP 4001	No coating
c. Visual Defects 100 % Visual	PJMP 4002	
1. Lint / Fibers Width < .030" Length > .500" Length < .500"	PJMP 4003	Max defects per Sq. Ft. 0 1
2. Scratches (Coated Side) Width < .020" Length > 1.0" Length .500" – 1.0" Length .250" - .500"	PJMP 4004	Max defects per Sq. Ft. 0 1 4

***** Note*****

- Random coating sags or minor areas of distortion can occur around defects. Should a defect occur they will be generally less than 1.0" by 1.0" across and shall not exceed 1 per 25 Sq. Ft.
- Inspection of this product shall be performed using the test methods indicated. If a defect does not appear using the listed test method it shall not be considered a defect.

- **** Visual Standard **** If a small defect in the sheet disappears when transitioning to a vertical inspection from 30” away it will no longer be considered a defect.

Professional Plastics, Inc.

PJSR-1000

Page 3 of 3

www.professionalplastics.com

Phone (800) 966-7767

sales@proplas.com