

SHEET SIZES & THICKNESSES

THICKNESS mm(in)	SIZE										
	1220X1830 (48"X72")	1220X2440 (48"X96")	1295X2540 (51"X100")	1524X2440 (60"X96")	1600X2540 (63"X100")	1830X2440 (72"X96")	1905X2540 (75"X100")	1295X3175 (51"X125")	1600X3175 (63"X125")	1905X3175 (75"X125")	2030X3050 (80"X120")
1.5 mm (0.060")	•	X	X	X	X	X	X	X	X	X	X
2.0 mm (0.080")	•	X	X	X	•	X	X	X	X	X	X
2.5 mm (0.100")	•	•	X	X	•	X	•	X	X	X	X
2.8 mm (0.110")	•	•	•	X	•	X	•	X	X	X	X
3.0 mm (0.118")	•	•	•	•	•	•	•	•	•	•	•
4.0 mm (0.157")	•	•	•	•	•	•	•	X	X	X	•
4.5 mm (0.177 ")	•	•	•	•	•	•	•	•	•	•	X
5.0 mm (0.197")	•	•	•	•	•	•	•	X	X	X	•
5.6 mm (0.220")	•	•	•	•	•	•	•	•	•	•	X
6.0 mm (0.236")	•	•	•	•	•	•	•	•	•	•	•
8.0 mm (0.315")	•	•	•	•	•	•	•	X	X	X	•
9.0 mm (0.354")	•	•	•	•	•	•	•	•	•	•	X
10.0 mm (0.394")	•	•	•	X	X	•	X	X	X	X	•
12.0 mm (0.472 ")	•	•	•	•	•	•	•	•	•	•	•
15.0 mm (0.590")	•	•	X	X	X	•	X	X	•	X	X
18.0 mm (0.708 ")	•	•	•	•	X	•	X	X	X	X	X
24.0 mm (0.944")	•	•	•	•	•	•	X	X	X	X	X
32.0 mm (1.250")	X	•	X	•	X	X	X	X	X	X	X

• - Available X - Not available

Please contact us for thicknesses and sizes not included in this table.

GUARANTEED THICKNESS

THICKNESS mm (in)			SIZE				
1220X1830 (48"X72")		1220X2440 (48"X96")	1295X2540 (51"X100")	1524X2440 (60"X96")	1600X2540 (63"X100")	1830X2440 (72"X96")	2030X3050 (80"X120")
			1905X2540 (75"X100")	1295X3175 (51X125")	1600X3175 (63"X125")	1905X3175 (75"X125")	
1.5 mm (0.060")	8.14 - 2.11 (0.032" - 0.083")	X		X			X
2.0 mm (0.080")	1.29 - 2.55 (0.052" - 0.102")	X		X			X
2.5 mm (0.100")	1.76 - 3.03 (0.071" - 0.121")	X		X			X
2.8 mm (0.110")	2.20 - 3.10 (0.086" - 0.122")	2.20 - 3.10 (0.086" - 0.122")		X			X
3.0 mm (0.118")	2.24 - 3.50 (0.088" - 0.138")	2.24 - 3.50 (0.088" - 0.138")		1.98 - 3.50 (0.078" - 0.148")			2.40 - 3.60 (0.945"-0.141")
4.0 mm (0.157")	3.09 - 4.56 (0.122" - 0.179")	3.09 - 4.56 (0.122" - 0.179")		2.73 - 4.74 (0.107" - 1.186")			3.4 - 4.6 (0.133"-0.181")
4.5 mm (0.177 ")	3.53 - 5.06 (0.139" - 0.199")	3.53 - 5.06 (0.139" - 0.199")		3.41 - 5.18 (0.134" - 0.204")			X
5.0 mm (0.197")	4.03 - 5.60 (0.158" - 0.220")	4.03 - 5.60 (0.158" - 0.220")		3.90 - 5.70 (0.153" - 0.224")			4.25 - 5.75 (0.167"-0.227")
5.6 mm (0.220")	4.46 - 6.24 (0.175" - 0.245")	4.46 - 6.24 (0.175" - 0.245")		4.43 - 6.34 (0.170 " - 0.249")			X
6.0 mm (0.236")	4.86 - 6.63 (0.191" - 0.261")	4.86 - 6.63 (0.191" - 0.261")		4.73 - 6.50 (0.186" - 0.266")			5.1 - 6.9 (0.201"-0.271")
8.0 mm (0.315")	6.65 - 8.68 (0.262" - 0.342")	6.65 - 8.68 (0.262" - 0.342")		6.53 - 8.81 (0.257" - 0.347")			6.8 - 9.2 (0.268"-0.362")
9.0 mm (0.354")	7.48 - 9.76 (0.294" - 0.384")	7.48 - 9.76 (0.294" - 0.384")		7.35 - 9.89 (0.289" - 0.389")			X
10.0 mm (0.394")	8.30 - 10.80 (0.327" - 0.425")	8.30 - 10.80 (0.327" - 0.425")		8.00 - 10.70 (0.315" - 0.422")			8.5 _ 11.5 (0.335"-0.453")
12.0 mm (0.472 ")	10.22 - 12.76 (0.402" - 0.502")	10.22 - 12.76 (0.402" - 0.502")		10.09 -12.88 (0.397" - 0.507")			10.2 - 13.8 (0.401"-0.543")
15.0 mm (0.590")	13.15 - 15.90 (0.518" - 0.625")	13.15 - 15.90 (0.518" - 0.625")		13.00 - 16.05 (0.512 " - 0.632")			X
18.0 mm (0.708 ")	15.97 - 18.76 (0.629" - 0.739")	15.97 - 18.76 (0.629" - 0.739")		15.72-19.02 (0.619" - 0.749")			X
24.0 mm (0.944")	21.79 - 24.58 (0.858" - 0.968")	21.79 - 24.58 (0.858" - 0.968")		21.16 - 25.22 (0.833" - 0.993")			X
32.0 mm (1.250")	29.61 - 33.32 (1.166" - 1.312")	29.61 - 33.32 (1.166" - 1.312")		29.61 - 33.32 (1.166" - 1.312")			X

Please contact us for thicknesses and sizes not included in this table.

NET GUARANTEED TRIMMED SIZE

THICKNESS	mm	in
1.5 mm - 32.0 mm (0.060" - 1.250")	1220 X 1830	48" X 72"
	1220 X 2440	48" X 96"
	1295 X 2540	51" X 100"
	1524 X 2440	60" X 96"
	1830 X 2440	72" X 96"
	1600 X 2540	63" X 100"
	1905 X 2540	75" X 100")
	1295 X 3175	51" X 125"
	1600 X 3175	63" X 125"
	1905 X 3175	75" X 125"
	2030 X 3050	80" X 120"

Untrimmed size could be larger, but high quality is only guaranteed for net size.
Please contact us for thicknesses and sizes not included in this table.

MINIMUM RUNS PER PRODUCT

• CHART "A"

THICKNESS mm (in)	SIZE				
	1220X1830 (48"X72")	1220X2440 (48"X96")	1295X2540 (51"X100")	1524X2440 (60"X96")	1830X2440 (72"X96")
1.5 - 6.0 mm (0.060" - 0.236")	15	18	15	14	13
8.0 - 12.0 mm (0.315" - 0.472")	15	14	15	14	12
15.0 - 18.0 mm (0.590" - 0.708")	15	15	15	10	10
24.0 - 32.0 mm (0.944" - 1.250")	X	10	15	10	10

THICKNESS mm (in)	SIZE					
	1600X2540 (63"X100")	1905X2540 (75"X100")	1295X3175 (51"X125")	1600X3175 (63"X125")	1905X3175 (75"X125")	2030X3050 (80"X120")
3.0 - 6.0 mm (0.118" - 0.236")	12	13		10		
8.0 - 12.0 mm (0.315" - 0.472")	12	12		10		
15.0 mm (0.590")	X	X		X		
18.0 - 32.0 mm (0.708" - 1.250")	10	X		X		

PACKAGING (Sheets per pallet)

All material is packaged in standard pallets, as shown in the following table. Shipments should be submitted to +/- 10% of the quantity ordered.

Based on the customer's order the standard colors will be packaged in rainbow pallets of the same size. Proper identification with pallet labels will clearly show the colors included on each rainbow pallet.

• SHEETS PER PALLET

THICKNESS mm(in)			SIZE									
			1220X1830 4'X6'	1220X2440 4'X8'	1295X2540 (51"X100")	1525X2440 5'X8'	1830X2440 6'X8'	1830X1830 6'X6'	1300X320 (51"X125")	1600X3200 (63"X125")	1900X3200 (75"X125")	3050X2030 (80"X120")
			(48"X72")	(48"X96")	(51"X100")	(60"X96")	(72"X96")	(72"X72")	(51"X125")	(63"X125")	(75"X125")	(80"X120")
1.5 mm (0.060")	(0.060")	1/16"	250	X	X	X	X	X	X	X	X	X
2.0 mm (0.080")	(0.080")		250	X	X	X	X	X	X	X	X	X
2.5 mm (0.100")	(0.100")		200	X	X	X	X	X	X	X	X	X
2.8 mm (0.110")	(0.110")		150	X	X	X	X	X	X	X	X	X
3.0 mm (0.118")	(0.118")	1/8"	150	115	110	50	50	80	60-70	50-55	45-47	45
4.0 mm (0.157")	(0.157")		100	70	60	35	35	60	X	X	X	25
4.5 mm (0.177")	(0.177")	3/16"	90	60	60	35	35	60	40-45	35-38	25-30	X
5.0 mm (0.197")	(0.197")		80	50	50	35	35	X	X	X	X	25
5.6 mm (0.220")	(0.220")		70	50	50	25	30	50	30-35	25-30	20-25	X
6.0 mm (0.236")	(0.236")	1/4"	70	50	50	25	25	50	30-35	25-28	20-25	20
8.0 mm (0.315")	(0.315")		50	35	X	X	25	X	X	X	X	15
9.0 mm (0.354")	(0.354")	3/8"	50	32	25	22	22	X	20-23	15-19	15-16	X
10.0 mm (0.394")	(0.394")		40	32	X	X	15	X	X	X	X	12
12.0 mm (0.472")	(0.472")	1/2"	35	25	25	15	15	X	15-18	12-15	10-12	10
15.0 mm (0.590")	(0.590")	5/8"	20	18	0	10	10	X	X	X	X	X
18.0 mm (0.708")	(0.708")	3/4"	20	16	10	10	10	X	X	X	X	X
24.0 mm (0.944")	(0.944")	1"	15	12	12	10	10	X	X	X	X	X
32.0 mm (1.250")	(1.250")	1 1/4"	X	10	X	7	7	X	X	X	X	X



• COLORS

32 Standard colors, carefully matched to market specifications.

• CUSTOM COLORS

Fluorescents, P-95, and other special colors are available.

• COLOR MATCHING

We offer color matching service for your new designs and ideas. Certain minimum quantity and other requirements may apply depending on specific needs.

• CUSTOM COLOR MATCHING POLICY

- 1) Plastiglas de Mexico will initially search in its color bank for identical or very close matches for customer approval to avoid development costs.
- 2) If a satisfactory existing color is unavailable, we will reproduce the particular color. The color development process requires approximately 3 to 4 weeks lead-time depending on our backlog. To initiate the color development process the minimum volume required is 2,500 pounds (one full pallet). For subsequent orders of the same item, the same color in the identical size and thickness, will require minimum batch volume.
- 3) An extra cost to develop colors for potential orders will proceed in case Plastiglas de Mexico does not receive the order.
- 4) If a special project calls for a minimum number of sheets, an overrun is possible.
- 5) Please refer to your current Custom Colors Price List.
- 6) Cancellation Policy: An approved matched custom color order cancellation is subject to a 100% cancellation charge.

COLORS

• STANDARD COLORS CHEMCAST®

For standard colors please consider the following categories and their minimums to order:

Standard colors.- The minimum quantity per order must be of 25 sheets per clear & color / size / thicknesses from 0.060" to 0.236". For thicknesses above 0.236" the minimum order is of standard pallet quantities.

Standard color with minimum order.- : Please refer to chart "A" in the MINIMUM RUNS PER PRODUCT Section.

Custom colors.- Please refer to the following charts:

• FLUORESCENTS (INDOORS ONLY)

COLOR CODE	SHEET SIZE mm (in)	SHEET THICKNESS mm (in)
L-032 ORANGE	1220 X 2440 (48" X 96") 1295 X 2540 (51" X 100") 1525 x 2440 (60" x 96")	3.0 (0.118")
L-043 YELLOW		4.5 (0.177")
L-052 GREEN		5.6 (0.220")
L-089 BLUE		6.0 (0.236")
L-111 GREEN		9.0 (0.354")
L-116 RED		12.0 (0.472")

• PEARLESCENTS (INDOORS ONLY)

COLOR CODE	SHEET SIZE mm (in)	SHEET THICKNESS mm (in)
L-400 WHITE L-401 IVORY L-402 BROWN L-403 PINK	1220 X 1830 (48" X 72")	3.0 (0.118")
L-404 BROWN L-412 BLUE L-450 GRAY	1220 X 2440 (48" X 96")	3.5 (0.177")

COLORS

- MATTE FINISH (P-95 & DP-95)

COLOR CODE	SHEET SIZE mm (in)	SHEETTHICKNESS mm (in)
CLEAR 3030 GREEN EDGE 2447WHITE 7328WHITE 7508WHITE 2025 BLACK	1220 X 1830 (48" X 72") 1220 X 2440 (48" X 96") 1295 X 2540 (51" X 100") 1525 x 2440 (60" x 96") 1830 x 2440 (72" x 96")	2.8 (0.110")
		3.0 (0.118")
		4.0 (0.157")
		4.5 (0.177")
		5.0 (0.197")
		5.6 (0.220")
		6.0 (0.236")
		8.0 (0.315")
		9.0 (0.354")
		10.0 (0.394")
		12.0 (0.472")
		15.0 (0.590")
		18.0 (0.708")
		24.0 (0.944")

Upon request,all CHEMCAST® available colors can be developed in P-95 or DP-95 (minimums may apply).



PHYSICAL AND MECHANICAL PROPERTIES

PROPERTY	TYPICALVALUE (1)	TEST METHOD
OPTICAL		
Specific Gravity	1.18	ASTM D 792
Optical Refractive Index	1.49	ASTM D542
Haze (%)	2.0	ASTM D542
LightTransmission (%)		
0.100" - 0.197"	92	ASTM 1003
0.220" - 0.472"	90	ASTM 1003
MECHANICAL		
Tensile Streght (psi)	9600	ASTM D638
Elongation at Rupture (%)	4.5	ASTM D638
Modulus of Elasticity (psi)	425,000	ASTM D798
Impact Strength (ft lb/in)	0.4 - 0.5	ASTM 256
Flexural Strength (psi)	15000 – 16000	ASTM D 798
Rockwell Hardness	M (90 - 100)	ASTM 785
Barcol Hardness	50	ASTM 2583
THERMAL		
FormingTemperature (°C)	140 – 180	
(°F)	284 – 356	
DeflectionTemperature		
Under Load (264 psi) (°C)	91	ASTMD 648
(°F)	196	ASTMD 648
Maximum recommended		
continuos service temp (°C)	80	ASTM 1525
(°F)	176	ASTM 1525
MISCELLANEOUS		
Water absorption (24 hrs.-23°C-73°F) (%)	0.3%	ASTM 570

All values referred to 3.0 mm (0.118") acrylic sheet. These values are typical and should not be taken as specifications.