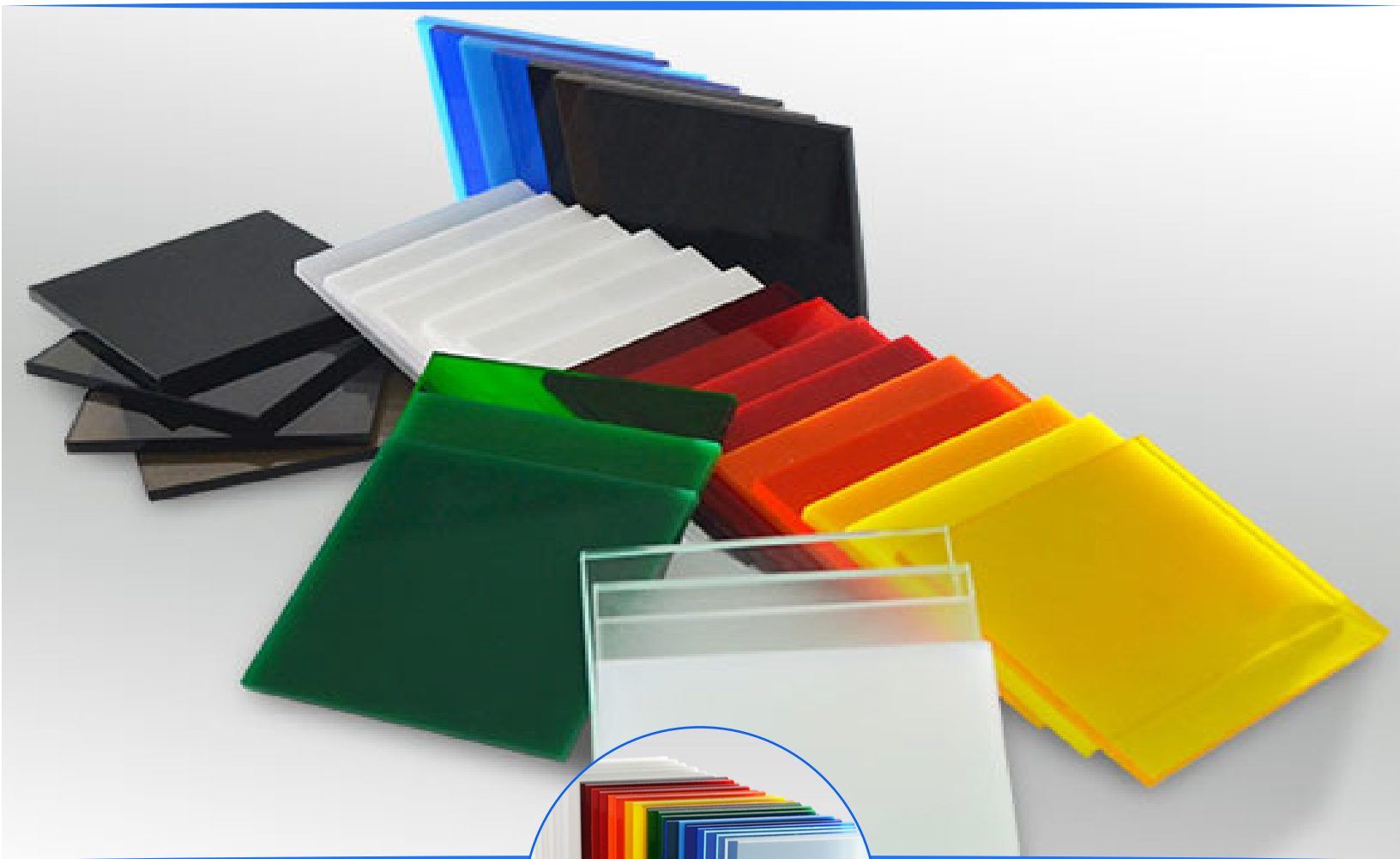


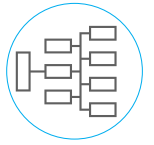
CHEMCAST[®]

The all purpose cell-cast acrylic sheet

CHEMCAST[®]



INTRODUCTION

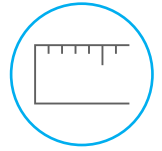


What makes CHEMCAST® acrylic sheet notably different is:

- CHEMCAST® is the only high quality acrylic sheet that can provide you with short runs capability and color selection to fit your specific needs.
- CHEMCAST® is the product of a vertically integrated industry that has been manufacturing cell-cast acrylic sheets for over 30 years in Mexico; this includes full control of raw material and distribution each step of the way.
- Quality control and product reliability are also an integrated process. Both are scientifically applied and carefully monitored throughout the entire process under the direction of highly competent employee group.



SHEET SIZES & THICKNESSES



Thickness
(in) mm

Size mm (in)

| | | 1220X1830 (48" X 72") | 1220X2440 (48"X 96") | 1295X2540 (51"X 100") | 1524X2440 (60"X 96") | 1830X2440 (72"X 96") | 1905x2540 (75"x 100") | 1220x3050 (48"x120") | 1524x3050 (60"x120") | 1830x3050 (72"x120") | 2030X3050 (80"X 120") | 1295X3175 (51"x 125") | 1600X3175 (63"x 125") | 1905X3175 (75"x 125") |
|---------------|---------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 0.060" | 1.5mm | √ | X | X | X | X | X | X | X | X | X | X | X | X |
| 0.080" | 2.0mm | √ | X | X | X | X | X | X | X | X | X | X | X | X |
| 0.100" | 2.5mm | √ | √ | √ | X | X | X | X | X | X | X | X | X | X |
| 0.110" | 2.8mm | √ | √ | √ | X | X | X | X | X | X | X | X | X | X |
| 0.118" | 3.0mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.125" | 3.2mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.157" | 4.0mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.177" | 4.5mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.197" | 5.0mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.220" | 5.6mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.236" | 6.0mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.250" | 6.25mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.315" | 8.0mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.354" | 9.0mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.394" | 10.0mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.472" | 12.0mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.590" | 15.0mm | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 0.708" | 18.0mm | √ | √ | √ | √ | √ | X | √ | √ | √ | √ | √ | √ | √ |
| 0.944" | 24.0mm | √ | √ | √ | √ | √ | X | √ | √ | √ | √ | X | X | X |
| 1.25" | 32.0mm | √ | √ | X | √ | √ | X | X | X | X | X | X | X | X |
| 1.50" | 38.0mm | X | √ | X | X | X | X | X | X | X | X | X | X | X |
| 2.00" | 50.0mm | X | √ | X | X | X | X | X | X | X | X | X | X | X |

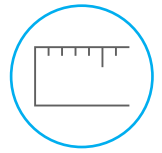
√ - Available

X - Not available

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

GUARANTEED THICKNESS

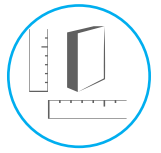
Thickness tolerance allowed by ASTM D4802 Norm.



| SIZES mm x mm (in x in) | | | | | | | | | | | | | | |
|-------------------------|-------------------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------------------|-------------------------|
| THICKNESS mm (in) | 1220X1830 (48" X 72") | 1220X2440 (48"X96") | 1295X2540 (51"X100") | 1524X2440 (60"X96") | 1600x2540 (63"x 100") | 1830X2440 (72"X 96") | 1905x2540 (75"x 100") | 1295X3175 (51"x 125") | 1600X3175 (63"x 125") | 1905X3175 (75"x 125") | 2030X3050 (80"X 120") | 1220x3050 (48"x120") | 1524x3050 (60"x120") | 1830x3050 (72"x120") |
| 1.5 mm (0.060") | 0.814 - 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") | | | | | | X | | | | | | X | |
| 3.0 mm (0.118") | 2.24 - 3.50 (0.088"-0.138") | | | | | | 1.98 - 3.50 (0.078"-0.148") | | | | | | 2.46 - 3.54 (0.100" - 0.136") | |
| 4.0 mm (0.157") | 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") | | | | | | 3.41 - 5.18 (0.134"-0.204") | | | | | | 5.19 - 3.41 (0.204" - 0.134") | |
| 5.0 mm (0.197") | 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") | | | | | | 4.43 - 6.34 (0.170 " - 0.249") | | | | | | 4.33 - 6.33 (0.170" - 0.249") | |
| 6.0 mm (0.236") | 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") | | | | | | 6.53 - 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") | | | | | | 7.35 - 9.89 (0.289"-0.389") | | | | | | 7.35 - 9.89 (0.289" - 0.389") | |
| 10.0 mm (0.394") | 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") | | | | | | 10.09 -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") | | | | | | 13.00 - 16.05 (0.512 " -0.632") | | | | | | 13.07 - 15.85 (0.514" - 0.624") | |
| 18.0 mm (0.708 ") | 15.97-18.76 (0.629"-0.739") | | | | | | 15.72-19.02 (0.619"-0.749") | | | | | | 15.70 - 19.02 (0.618" - 0.748") | |
| 24.0 mm (0.944") | 21.79-24.58 (0.858"-0.968") | | | | | | 21.16 - 25.22 (0.833" - 0.993") | | | | | | 21.16 - 25.22 (0.832" - 0.992") | |
| 32.0 mm (1.250") | 29.61-33.32 (1.166"-1.312") | | | | | | 29.61 - 33.32 (1.166" - 1.312") | | | | | | X | |
| 38.0mm (1.50") | 34.92 - 38.98 (1.375" - 1.535") | | | | | | x | | | | | | X | |
| 50.0 mm (2.00") | 46.93 - 52.27 (1.848" - 2.058") | | | | | | x | | | | | | X | |

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

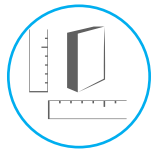
NET GUARANTEED TRIMMED SIZE



| Thickness | mm | in |
|-----------------------------------|-----------|-----------|
| 1.5mm - 50.0mm (0.060" -2.00") | 1220X1830 | 48" X 72" |
| | 1220X2440 | 48"X 96" |
| | 1295X2540 | 51"X 100" |
| | 1524X2440 | 60"X 96" |
| | 1830X2440 | 72"X 96" |
| | 1905x2540 | 75"x 100" |
| | 1220x3050 | 48"x120" |
| | 1524x3050 | 60"x120" |
| | 1830x3050 | 72"x120" |
| | 2030X3050 | 80"X 120" |
| | 1295X3175 | 51"x 125" |
| | 1600X3175 | 63"x 125" |
| | 1905X3175 | 75"x 125" |

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.
 In the case of 80"x120" in 0.708" and 0.944" thickness, net real size is 80"x119",

MINIMUM RUNS PER PRODUCT



| THICKNESS mm (in) | | SIZE | | | | |
|-------------------|-----------|-----------------|------------------|------------------|------------------|-----------------|
| mm | in | 1.5mm - 6.0mm | 8.0 mm - 12.0 mm | 15.0mm - 18.0 mm | 24.0mm - 32.0 mm | 38.0mm - 50.0mm |
| mm | in | 0.060" - 0.236" | 0.315" - 0.472" | 0.590" -0.708" | 0.944" - 1.25" | 1.50" - 2.00" |
| 1220X1830 | 48" X 72" | 15 | 15 | 10 | X | X |
| 1220X2440 | 48"X 96" | 18 | 15 | 8 | 10 | 6 |
| 1295X2540 | 51"X 100" | 15 | 15 | 10 | 10 | X |
| 1524X2440 | 60"X 96" | 15 | 12 | 8 | 10 | X |
| 1830X2440 | 72"X 96" | 13 | 12 | 10 | 10 | X |
| 1905x2540 | 75"x 100" | 12 | 12 | 8 | X | X |
| 1220x3050 | 48"x120" | 8 | 8 | 8 | 8 | X |
| 1524x3050 | 60"x120" | 8 | 8 | 8 | 8 | X |
| 1830x3050 | 72"x120" | 8 | 8 | 8 | 8 | X |
| 2030X3050 | 80"X 120" | 8 | 8 | 8 | 8 | X |
| 1295X3175 | 51"x 125" | 8 | 8 | 8 | X | X |
| 1600X3175 | 63"x 125" | 8 | 8 | 8 | X | X |
| 1905X3175 | 75"x 125" | 8 | 8 | 8 | X | X |

PACKAGING (Sheets per pallet)

All material is packed in standard pallets, as shown in the following table.

Shipments should be submitted to +/- 10% or +/-20% of the quantity ordered, depending on the kind of product.

Standard products are subject to +/- 10%. Custom colors, Oversized, P-95, DP-95, High Impact are subject to +/- 20%.

For minimums on other differentiated products, please contact Customer Service.

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

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• SHEETS PER PALLET

| | | 48"X72" | 48"X96" | 51"X100" | 60"X96" | 72"X72" | 72"X96" | 75"X100" | 48"X120" | 60"X120" | 72"X120" | 80"X120" | 51"X125" | 63"X125" | 75"X125" |
|-----------|--------|---------|---------|----------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| THICKNESS | | 180X120 | 240x120 | 250x130 | 240x150 | 180X180 | 240x180 | 254x191 | 305X122 | 305X152 | 305x183 | 305X203 | 320X 130 | 320X160 | 320X191 |
| MM | INCHES | | | | | | | | | | | | | | |
| 1.5 mm | 0.060" | 250 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2.0 mm | 0.080" | 240 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2.5 mm | 0.100" | 190 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3.0 mm | 0.118" | 150 | 125 | 120 | 80 | 100 | 80 | 70 | 50 | 45 | 45 | 45 | 60 | 55 | 50 |
| 4.0 mm | 0.157" | 90 | 80 | 75 | 60 | 75 | 55 | 50 | - | - | - | 40 | - | - | - |
| 4.5 mm | 0.177" | - | 70 | 70 | 50 | - | 45 | 45 | 40 | 40 | 35 | 35 | 40 | 45 | 35 |
| 5.0 mm | 0.197" | 75 | 65 | 60 | 45 | 60 | 40 | - | - | - | - | 35 | - | - | - |
| 5.6 mm | 0.220" | 65 | 60 | 60 | 40 | 55 | 35 | 40 | 35 | 35 | 30 | 30 | 35 | 35 | 25 |
| 6.0 mm | 0.236" | 65 | 60 | 50 | 40 | 50 | 35 | 35 | 35 | 35 | 30 | 30 | 35 | 35 | 25 |
| 8.0 mm | 0.315" | 45 | 40 | - | 30 | - | 25 | - | - | - | - | 22 | 25 | - | - |
| 9.0 mm | 0.354" | - | 35 | 35 | 25 | - | 25 | 24 | 25 | 25 | 20 | 20 | 20 | 22 | 20 |
| 10.0 mm | 0.394" | 40 | 30 | - | - | - | 22 | - | - | - | - | 18 | - | - | - |
| 12.0 mm | 0.472" | - | 28 | 28 | 20 | - | 20 | 18 | 22 | 16 | 15 | 15 | 15 | 16 | 15 |
| 15.0 mm | 0.590" | - | 20 | - | 15 | - | 15 | 16 | - | - | - | - | - | - | - |
| 18.0 mm | 0.708" | - | 18 | 18 | 14 | - | 12 | - | 10 | 10 | 10 | 10 | - | - | - |
| 20.0 mm | 0.787" | - | 16 | - | - | - | - | - | - | - | - | - | - | - | - |
| 24.0 mm | 0.944" | - | 14 | 14 | 10 | - | 10 | - | 10 | 10 | 8 | 7 | - | - | - |
| 32.0 mm | 1.250" | - | 10 | - | 8 | - | 8 | - | - | - | - | - | - | - | - |
| 38.0mm | 1.500" | - | 9 | - | - | - | - | - | - | - | - | - | - | - | - |
| 50.0mm | 2.000" | - | 7 | - | - | - | - | - | - | - | - | - | - | - | - |



- **COLORS**

32 Standard colors, carefully matched to market specifications.

- **CUSTOM COLORS**

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

- **COLOR MATCHING**

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

- **CUSTOM COLOR MATCHING POLICY**

Plastiglas de Mexico will initially search in its color bank for identical or very close matches for customer approval to avoid development costs.

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.

An extra cost to develop colors for potential orders will proceed in case Plastiglas de Mexico does not receive the order.

If a special project calls for a minimum number of sheets, an overrun is possible.

Please refer to your current Custom Colors Price List

Cancellation Policy: An approved matched custom color order cancellation is subject to a 100% cancellation charge.

Custom Color match fee is \$150.00 USD\$ per color.



• 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 / thickness 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 of MINIMUM RUNS PER PRODUCT.

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") | 3.0 (0.118") |
| L-043 YELLOW | | 4.5 (0.177") |
| L-052 GREEN | 1295 x 2540 (51" x 100") | 5.6 (0.220") |
| L-089 BLUE | | 6.0 (0.236") |
| L-111 GREEN | 1525 x 2440 (60" x 96") | 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 | 1220 x 1830 (48" x 72") | 3.0 (0.118") |
| L-401 IVORY | | |
| L-402 BROWN | | |
| L-403 PINK | | |
| L-404 BROWN | 1220 x 2440 (48" x 96") | 4.5 (0.177") |
| L-412 BLUE | | |
| L-450 GRAY | | |



• MATTE FINISH (P-95 & DP-95)

| COLOR CODE | SHEET SIZE mm (in) | SHEET THICKNESS mm (in) | |
|--------------------------|--------------------------|-------------------------|---------------|
| CLEAR | 1220 x 1830 (48" x 72") | 2.8 (0.110") | 8.0 (0.315") |
| 3030 GREEN EDGE | 1220 x 2440 (48" x 96") | 3.0 (0.118") | 9.0 (0.354") |
| 2447 WHITE | 1295 x 2540 (51" x 100") | 4.0 (0.157") | 10.0 (0.394") |
| 7328 WHITE | 1525 x 2440 (60" x 96") | 4.5 (0.177") | 12.0 (0.472") |
| 7508 WHITE | 1830 x 2440 (72" x 96") | 5.0 (0.197") | 15.0 (0.590") |
| 2025 BLACK | 3050 x 2030 (80" x 120") | 5.6 (0.220") | 18.0 (0.708") |
| Standard & Custom Colors | | 6.0 (0.236") | 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 | TYPICAL VALUE (1) | TEST METHOD |
|--|-------------------|-------------|
| OPTICAL | | |
| Specific Gravity | 1.18 | ASTMD 792 |
| Optical Refractive Index | 1.49 | ASTMD 542 |
| Haze (%) | 2.0 | ASTMD 542 |
| Light Transmission (%) | | |
| 0.100" - 0.197" | 92 | ASTM 1003 |
| 0.220" - 0.472" | 90 | ASTM 1003 |
| MECHANICAL | | |
| Tensile Strength (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 | | |
| Forming Temperature (°C) | 140 - 180 | ASTMD 648 |
| (°F) | 284 - 356 | ASTMD 648 |
| Detection Temperature Under Load (264 psi) (°C) | 91 | |
| (°F) | 196 | |
| Maximum recommended continuous 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 0.118" (3.0 mm) acrylic sheet. These values are typical and should not be taken as specifications.

CHEMICAL RESISTANCE



| CHEMICAL | CODE | CHEMICAL | CODE |
|-----------------------|------|------------------------|------|
| Acetic Acid (10%) | LR | Hydrogen Peroxide (3%) | R |
| Acetic Acid (glacial) | N | Isopropyl Alcohol | LR |
| Acetone | N | Kerosene | R |
| Ammonium Chloride | R | Lacquer Thinner | N |
| Ammonium Hydroxide | R | Methyl Alcohol (30%) | LR |
| Benzene | N | Methyl Alcohol (100%) | N |
| Calcium chloride | R | Methyl Ethyl Ketone | N |
| Carbon Tetrachloride | N | Methylene Chloride | N |
| Chloroform | LR | Nitric Acid (10%) | R |
| Chromic Acid (10%) | N | Nitric Acid (100%) | N |
| Chromic Acid (conc.) | N | Phenol (5%) | N |
| Diethyl Ether | LR | Sodium Chloride | R |
| IOctI Phthalate | LR | Sodium Hydroxide (10%) | R |
| Ethyl Alcohol (30%) | N | Sodium Hypochlorite | R |
| Ethyl Alcohol (95%) | N | Sulfuric Acid (3%) | N |
| Ethylene Dichloride | N | Sulfuric Acid (conc.) | N |
| Ethylene Glycol | R | Toluene | N |
| Gasoline | LR | Trichloroethylene | N |
| Glycerin | R | Turpentine | R |
| Hexane | R | Water (distilled) | R |
| Hydrochloric Acid | R | Xylene | N |

The code is used to describe chemical resistance as follows:

R = RESISTANT

Acrylic cast withstand this substance for long periods and at temperature up to 120°F (49°C).

LR = LIMITED RESISTANCE

Acrylic only resists the action of this substance for short periods at room temperature.

N = NOT RESISTANT

Acrylic is not resistant to this substance. It is swelled, attacked, dissolved or damaged in some manner.

These values are typical and should not be taken as specification