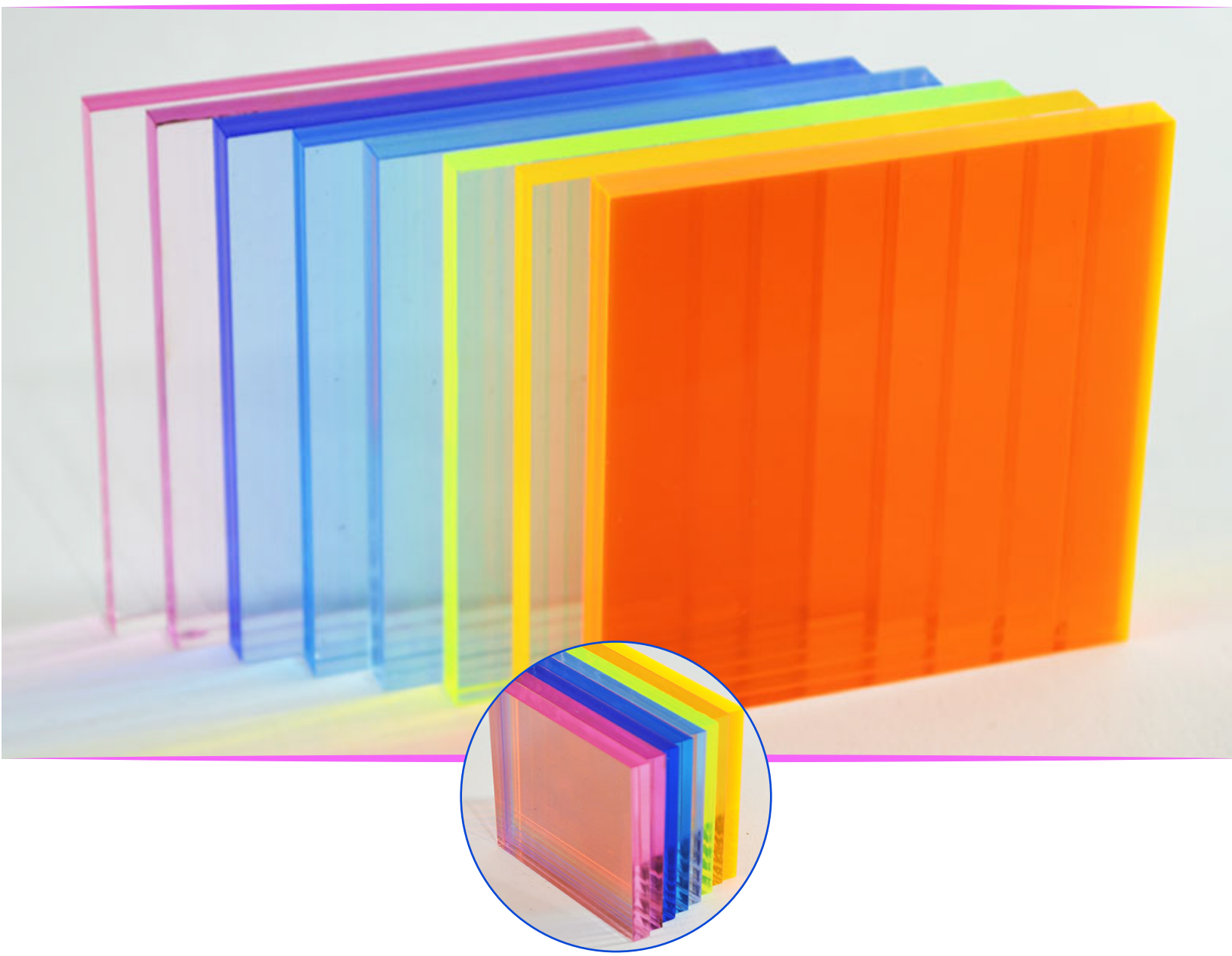
Glow
P.o.P.

CHEMCAST®

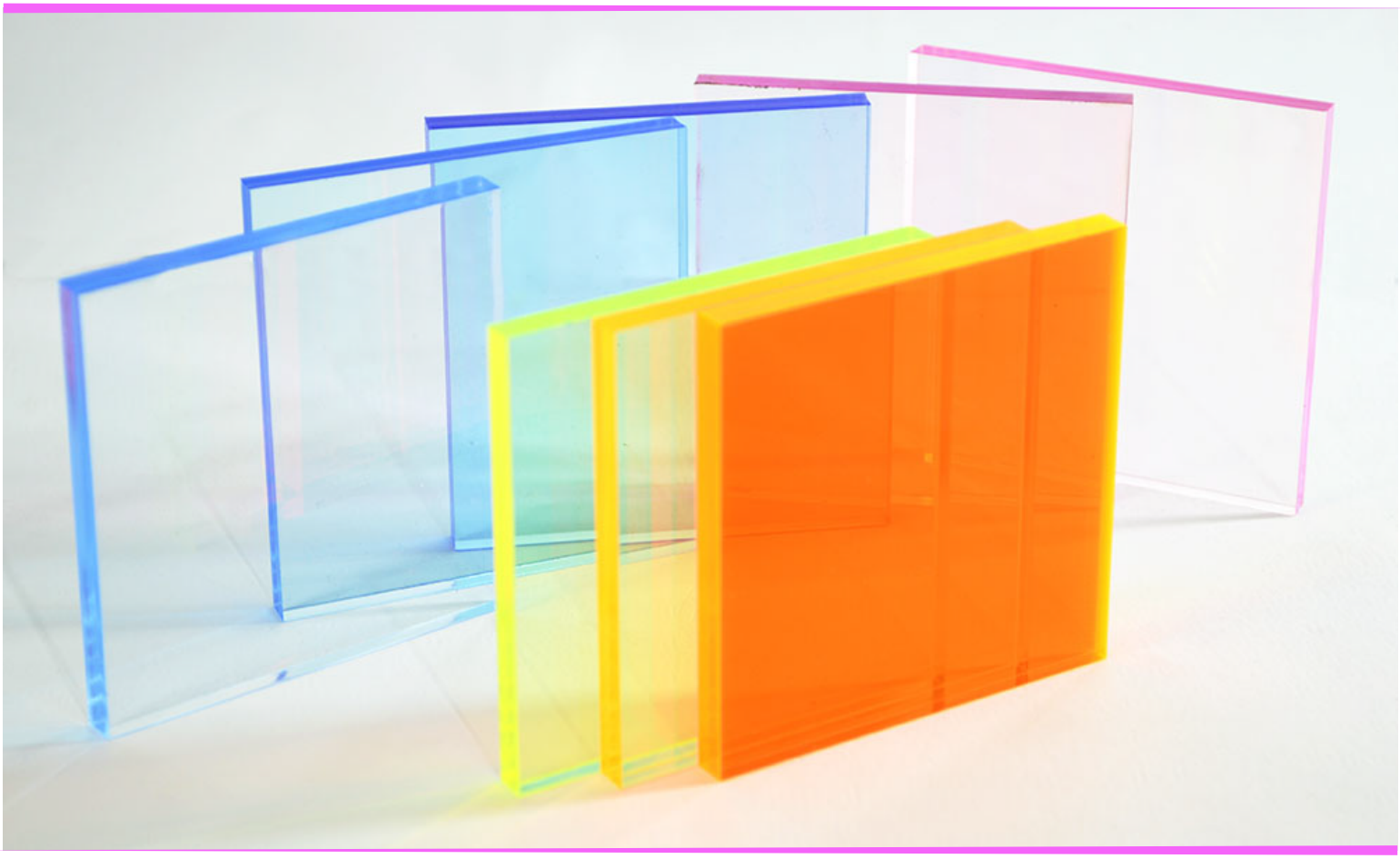


UNIGEL

INTRODUCTION

CHEMCAST Glow is a high quality cell cast acrylic sheet that allows designers, architects and interior designers the freedom to create environments and items that highlight providing pleasant feelings due to their brilliant colors, smooth and nice appearance.

The name of this product line refers to the wide range of applications that can be covered in different market segments like POP displays and interior signage.

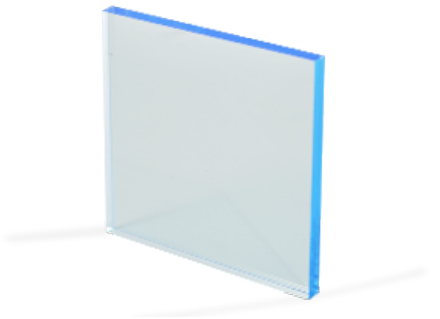


PACKAGING AND DELIVERY

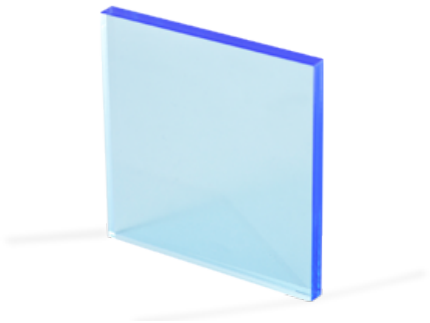
Glow acrylic sheet is offered with protection of paper masking or film on both sides of the sheet.

COLORS

L-091 Alba blue



L-150 Zenith blue



L-114 Twilight blue

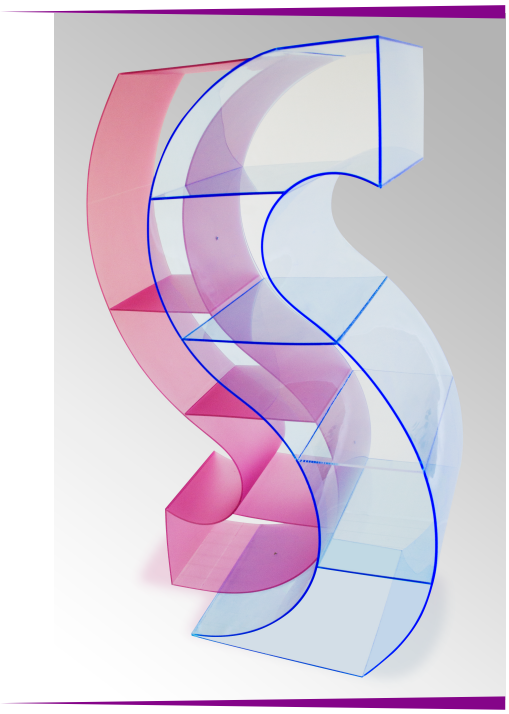
L-025 Chic pink

L-06 Lite Rose

L-158 Plasma Orange

L-033 Activity Green

L-106 Sunset Yellow



SHEET SIZE AND THICKNESS

Thickness	Sheet Size
0.118″	48″x96″

THCIKNESS WARRANTY

Thickness	Sheet Size
0.118″	48″x96″
	0.088″ – 0.138″

For any requirement of thickness or sheet size not included in this table, please contact Plastiglas de Mexico, S.A. de C.V.

PHYSICALL AND MECHANICAL PROPERTIES

PROPERTY	VALUE (*)	TEST METHOD
OPTICAL		
Refraction Index	1.49	ASTM 542
Light transmission (%)		ASTM 1003
< 0.177"	92	
> 0.177"	90	
Haze (%)	2.0	ASTM 1003
MECHANICAL		
Specific Gravity	1.18	ASTMD792
Tensile Strength (psi)	9600	ASTMD638
Elongation at Rupture (%)	4.5	ASTMD638
Modulus of Elasticity (psi)	425,000	ASTMD798
Flexural Strength (psi)	15000-16000	ASTMD798
Impact Resistance IZOD(ft lb/)	0.4 - 0.5	ASTMD256
Rockwell Hardness	M 90 - 100	ASTMD785
Barcol Hardness	50	ASTMD2583
THERMAL		
Forming Temperature (°C)	140 - 180	
(°F)	284 - 356	
Deflection Temperature		ASTMD 648
Under Load (264 psi) (°C)	91	
(°F)	196	
Maximum recommended continuous		
service temperature (°C)	80	
(°F)	176	
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
Ammonia chloride Ammonia hydroxide Calcium chloride Ethylene glycol Glycerin Hexane Hydrochloric acid Hydrogen peroxide (3%) Kerosene Acid nitric (10%) Sodium chloride Sodium hydroxide (10%) Sodium hypochlorite Turpentine Distilled water	R
Dioctyl- phthalate Gasoline Isopropyl alcohol Methyl alcohol (30%) Acetic acid (glacial) Acetone Benzene Carbon tetrachloride	RL
Acid chromic (10%) Acid chromic (conc.) Ethyl alcohol (30%) Ethyl alcohol (95%) Dichloroethylene Thinner Methyl alcohol (100%) Methyl ethyl ketone Methylene chloride Acid nitric (100%) Phenol (5%) Acid sulfuric (3%) Acid sulfuric (conc.) Toluene Trichloroethylene 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 either swelled, attacked, dissolved or damaged in some manner.

These values are typical and should not be taken as specification.

TRANSMITTANCE

Color Code	% Transmittance @ 540 nm *	Application	Category of Product
L-033	92.00	Interior	General Purpose
L-091	90.00	Interior	
L-06	88.00	Interior	
L-150	87.00	Interior	
L-106	88.00	Interior	
L-025	85.00	Interior	
L-114	78.00	Interior	
L-158	14.00	Interior	

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CHEMCAST® MR PLASTIGLAS

	Phone	Fax
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Canada	1866 403 5238	1866 403 5239