

# PLEXIGLAS®



## PLEXIGLAS ACRYLIC SHEET PRODUCTS

**ALTUGLAS**  
INTERNATIONAL  
ARKEMA GROUP



## INTRODUCTION

### PLEXIGLAS ACRYLIC SHEET

*Light, strong, and crystal clear, Plexiglas acrylic sheet has forever changed the way people think about form, function and style.*

*So much so, that today architects, interior and exterior designers, and designers of graphics, exhibits, and point of purchase displays, can all find design options open to them that were unheard of just a few years ago.*

*One reason is the unparalleled Plexiglas acrylic sheet product line. No other manufacturer offers as wide a range of transparent, colorless transparent, translucent, and opaque colors, patterns, textures and thicknesses, or products that provide clarity, formability, impact and weather resistance.*

### PLEXIGLAS SHEET GRADES

Plexiglas MC, Altuglas International's most economical continuous process acrylic sheet, offers many high quality features identified with cast acrylic sheet. It now comes in 29 colors, and it is ideal for back-lit signs, displays, point-of-purchase items, building applications, and general fabricated parts.

Plexiglas G is a cell-cast process acrylic sheet that satisfies the requirements of nearly all high-performance applications. It is available in a variety of colors and patterns and in a wide range of thicknesses.

Plexiglas Q is a new, patented acrylic sheet developed specifically to meet the stringent requirements of plastic sheet materials for use in the quantity and custom sign markets. Since colorless Plexiglas Q sheet is a material with excellent clarity, weatherability, and enhanced solvent-craze resistance. It is the ideal material to add to your own color, using suggested painting techniques.

Plexiglas ELiT (Edge Lit Technology) acrylic sheet product is designed for use in point-of-purchase displays, illuminated signage and lightboxes. However, as a new sign substrate that acts as a light source, designers will soon use it in many new and original applications, such as slim line transportation showcases, double-sided shop window displays and new possibilities for the design of information and direction systems in shopping centers, hotels, and office buildings.

Patented Plexiglas ELiT offers a technological advantage: Light focused on the edge of the sheet is transmitted and evenly diffused to both faces of the sheet.

Plexiglas ELiT allows the lightbox manufacturer to conceal the fluorescent tubes in the profile trim, rather than place them behind the sheet. This eliminates the need for bulky display boxes used for illuminated designs and replaces them with slimmer designs. Lightweight and very economical lightboxes can thus be constructed. In addition, Plexiglas ELiT sheet can be curved to create complex and original shapes.

### PLEXIGLAS FROSTED

Plexiglas Frosted acrylic sheet is lightweight and uniquely finished. It is the perfect material for backdrops, columns, lighting diffusers, illuminated signage, shelving, tabletops, visual displays and more. Unlike frosted glass, Plexiglas Frosted acrylic sheet is durable and shatterproof. It shrugs off fingerprints, scratches and smudges, too. The unique frosted look isn't just on the top and bottom surface—it's engineered throughout the entire acrylic structure. It retains its frosted appearance even after thermoforming.

### PLEXIGLAS FROSTED PRODUCT OFFERING

Plexiglas Frosted acrylic sheet is manufactured by a proprietary continuous process known as melt calendering and is available in Colorless and 3167 Light Green.

#### Standard Offering: Colorless and 3167 Light Green

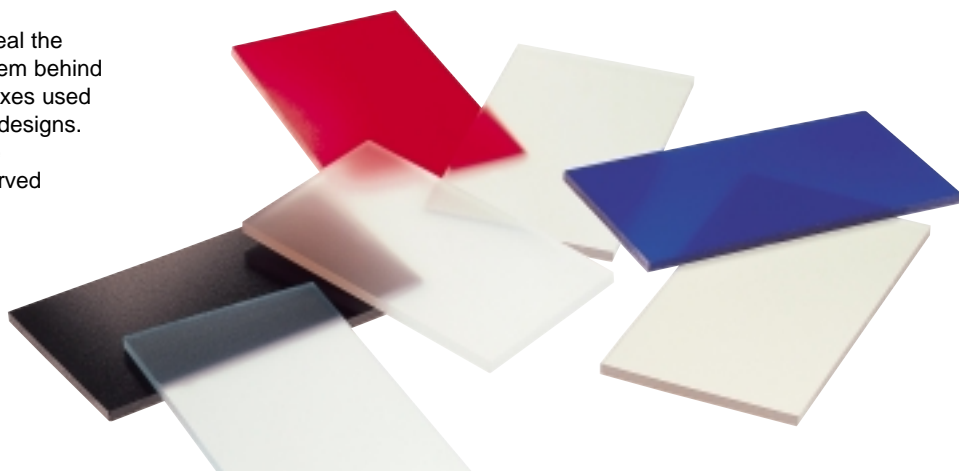
Thickness	Sheet Size
0.080" (2mm)	48" x 96"
0.118" (3mm)	60" x 96"
0.177" (4.5mm)	63" x 100"
0.220" (5.5mm)	72" x 96"
0.236" (6mm)	72" x 100"
0.354" (9mm)	75" x 100"
0.472" (12mm)	

Additionally, Plexiglas Frosted sheet is now available in a standard thickness of 0.118"(3mm) and a sheet size of 51" x 100" in the following colors:

#### Color Offering

3160 Light Gray	3164 Dark Red
3161 Light Bronze	3165 Black Opaque
3162 Dark Blue	3166 Medium Blue
3163 Light Blue	W3172 White Translucent

Other thicknesses and sizes are subject to minimum order requirements and are quoted upon request.





## Transmittance/Trichromatic Coefficient Chart of Transparent Colors

		C.I.E. Source A Data			C.I.E. Source C Data (6500°K Average Daylight)		
Plexiglas		Transmittance	Trichromatic Coefficient		Transmittance	Trichromatic Coefficient	
Grade	Color #	(%)	x	Y	(%)	x	y
G/MC	2423 Red	9	0.711	0.289	5	0.709	0.290
G	2422 Amber	61	0.588	0.411	49	0.557	0.441
G	2208 Yellow	86	0.518	0.463	80	0.452	0.504
G	2111 Green	75	0.428	0.419	77	0.297	0.324
G	2069 Blue	50	0.361	0.393	56	0.234	0.269
G	2424 Blue	4	0.114	0.179	8	0.129	0.113
G/MC	2064 Gray	27	0.445	0.414	27	0.309	0.329
G/MC	2074 Gray	13	0.464	0.421	12	0.334	0.354

### STANDARD TRANSPARENT COLORS

The Plexiglas acrylic sheet line of standard transparent colors provides a clear, "see-through" visibility. Here, applications can range from glazing for windows and transportation, electronic filters for CRT screens on computers, photographic dark room equipment, to a wide variety of displays and fixtures.

Transparent tints vary from color to color in light transmittance, but the transmittance of any single color is approximately equal for any sheet thickness.

FOR MORE INFORMATION CONTACT: 1-800-647-5569

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