

# PLASKOLITE, INC.

## PRODUCTS:

- OPTIX® Acrylic (PMMA) Sheet
- DURAPLEX® Impact Modified (PMMA) Acrylic Sheet
- Roll Stock
- Polystyrene (PS) Sheet
- Lighting Sheet
- FABBACK® Acrylic (PMMA) Sheet
- Transportation Grade Mirror
- VIVAK® PETG Sheet
- MUSTANG® Copolyester
- High Performance Coatings
- OPTIX® (PMMA) Resins

# PLASKOLITE, INC.

Plaskolite, a privately held company, was founded in 1950, and for over 60 years has built an excellent reputation based on service, quality, stability and integrity.

Plaskolite is a leading manufacturer of many types of acrylic, thermoplastic and mirrored sheet. Sheet products include Optix acrylic, Duraplex impact modified acrylic, roll stock acrylic, polystyrene and Fabbback mirrored sheet. In addition, Plaskolite also manufactures acrylic resin and lighting panels.

Plaskolite controls most raw materials in-house, employs a fully integrated manufacturing process converting acrylic monomer into acrylic resin and then into acrylic sheet to provide customers with flawless quality, competitive prices and unparalleled customer service. Standard sheet sizes are well-stocked and ready to ship. Special sizes, patterns and thicknesses are also available as part of Plaskolite's Run-to-Size program.

To better accommodate the diverse needs of our overseas customers, Plaskolite is prepared to meet each customer's size, tolerance, currency, packing, and shipping requirements. Plaskolite also supports a worldwide network of independent distributors.

Our main facilities in Ohio serve the eastern USA, Canada, Central and South American markets. Our Ontario, CA and Compton, CA facilities serve the western USA and Pacific markets. The distribution facility in Doesburg, Holland serves Benelux, German and UK markets. Additional facilities are located in Grand Saline, TX; Olive Branch, MS; and Monterrey, MX.

## **COMPANY PROFILE**

FOUNDED: 1950

EMPLOYEES: 600

LOCATIONS:

- Columbus, Ohio (manufacturing and distribution)
- Zanesville, Ohio (manufacturing and distribution)
- Compton, California (manufacturing and distribution)
- Grand Saline, Texas (manufacturing and distribution)
- Olive Branch, Mississippi (manufacturing and distribution)
- Monterrey, Mexico (manufacturing and distribution)
- Ontario, California (distribution)
- Doesburg, Holland (distribution)



Columbus, Ohio\*



Zanesville, Ohio\*

\*Plaskolite's Quality Management System is certified as being in conformance with the ISO 9001:2008 standard.



Grand Saline, Texas



Olive Branch, Mississippi



Monterrey, Mexico



Compton, California

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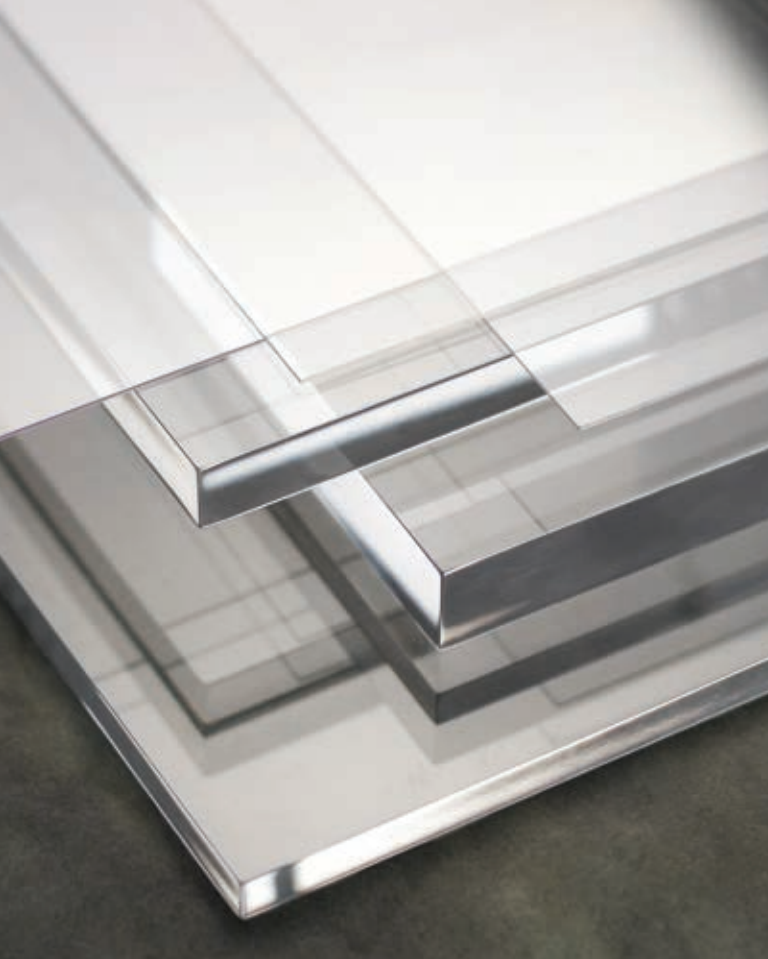


## OPTIX<sup>®</sup> ACRYLIC (PMMA) SHEET

**Ideal for fabrication and glazing applications.**

- Impact-resistant - 5 times as strong as glass.
- Weather-resistant - Non-yellowing.
- Clear acrylic available in a thickness range from .031" to 1.0" (.8mm to 25.4mm).
- Colored acrylic available in a thickness range from .060" to 1.0" (1.5mm to 2641mm).
- Widths to 105" (2667mm).
- A variety of stock sizes.
- Custom colors, tolerances and thicknesses available.
- High molecular weight for superior thermoforming, bending and flame-polishing.
- **Run-to-Size** sheet offered.





## OPTIX THIN AND THICK GAUGE ACRYLIC (PMMA) SHEET

**Ideal for cellular telephone displays and vehicle instrument panels.**

- Thin gauge clear acrylic is offered in .031" (.8mm) and .039" (1mm).
- Available with an abrasion-resistant hard-coat.
- Supplied with a low-residue film masking for optical applications.
- Widths available up to 58" (1473mm).

**Ideal for P.O.P. displays, noise abatement barriers and outdoor signage.**

- Thick gauge acrylic offered in widths up to 105" (2667mm).
- Available in clear, colors and Frost with custom color matching available.
- **Run-to-Size** sheet offered.

## OPTIX PATTERNED ACRYLIC (PMMA) AND POLYSTYRENE (PS) SHEET

**Ideal for shower door and outdoor furniture applications.**

- Available patterns in polystyrene sheet include A-81 Stipple and P-32 Worthington (single side pattern).
- Acrylic patterns include A-81 Stipple, Adobe DP-32 (double side pattern), and P-32/Haircell.
- Lighter and more impact resistant than glass.

## OPTIX<sup>NG</sup> Ideal for framing, signage and P.O.P. applications.

- OPTIX NG acrylic is available in heavy and light matte finishes.
- Heavy matte is available in a thickness range from .060" to .250" (1.5mm to 6.35mm).
- Light matte is available in a thickness range from .060" to .177" (1.5mm to 4.5mm).
- Available in a wide range of sheet sizes.
- Custom sizes, colors and thicknesses available.
- **Run-to-Size** sheet offered.



## FROSTED ACRYLIC (PMMA) SHEET

**Ideal for P.O.P., store fixtures and light diffusers.**

- Frosting throughout sheet, providing an elegant textured surface on both sides.
- Ease in fabrication without significant loss of frosted appearance.
- Resists fingerprints and scratches.
- Thicknesses .118" - .375" (3mm - 9.5mm).
- **Run-to-Size** sheet offered.



## CLEAR ACRYLIC (PMMA) SHEET WITH MATTE FINISH - ONE SIDE

**Ideal for P.O.P., store fixtures and fabricated parts.**

- The matte finish on one side provides a decorative effect and reduces surface reflections.
- Thicknesses .118" - .375" (3mm - 9.5mm).
- Available in a 48" x 96" (1219mm x 2438mm) sheet size.



## LIGHT DIFFUSING ACRYLIC (PMMA) SHEET WITH MATTE FINISH ON ONE SIDE

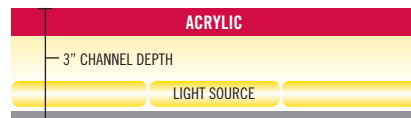
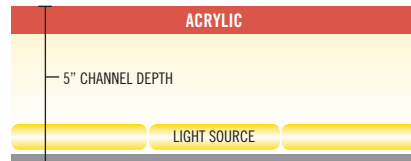
**Ideal for a variety of lighting and signage applications.**

- Combines high efficiency with excellent diffusion properties.
- Available in clear and white.
- Thickness range from .060" to .236" (1.5 mm to 6.0mm).
- Available in a 51" x 100" (1295mm x 2540mm) sheet size.



Typical can lights require a 5" channel depth. OPTIX®-LD Light Diffusing Acrylic Sheet allows for a less costly, better-looking 3" channel depth.

#### OTHER BRANDS



## UV INK COMPATIBLE ACRYLIC (PMMA) SHEET

### Ideal for printing applications.

- An acrylic sheet designed specifically for use on flatbed digital printers that use UV curable ink.
- Achieve optimal adhesion of UV inks without applying an adhesion promoter.
- Available in clear and white.
- Contact Plaskolite for thickness and size availability.



## LIGHT DIFFUSING ACRYLIC (PMMA) SHEET

### Ideal for sign applications.

- Superior diffusion properties allow for greater sign design flexibility and slim profile channel (CAN) letters.
- Performance is unsurpassed when used with neon, fluorescent or LED lights.
- Eliminates visible hot spots and luminance fluctuations without affecting light transmission properties.
- Available colors:  
2157 Red, 2283 Red, 2793 Red, 2447 White, 2050 Blue, 7328 White, 2114 Blue and 2037 Yellow.
- SG05 Medium Impact Colors include:  
2447 White, 2793 Red and 2283 Red.
- Available thicknesses:  
.118" & .177" (3mm to 4.5mm).
- Custom corporate colors and sheet sizes available.





## IMPACT MODIFIED ACRYLIC (PMMA) SHEET

**Ideal for sign, display, automotive accessory and skylight applications.**

- Economical alternative to polycarbonate with greatest advantages being:
  - weatherability
  - thermoforming capabilities
- Superior impact resistance, 10 times as strong as acrylic, 40 times as strong as single-strength glass.
- Low orientation/reversion sheet for drape or clamp forming.
- Wide range of forming temperatures and short forming cycles.
- Available in thicknesses of .040" to .500" (1mm to 12.7mm). Widths up to 105" (2667mm).
- Custom impact blends available.
- **Run-to-Size** sheet offered.

## POLYSTYRENE (PS) SHEET

**Ideal for picture frame applications.**

- Available in clear as well as non-glare, (anti-reflex) pattern.
- Lighter and more impact-resistant than glass.
- Available with UV additive to filter out damaging wavelengths.
- Thicknesses in .040" clear (1mm) and .050" non-glare (1.2mm).
- Protective masking on both sides.
- Clear Polystyrene is available in sheet sizes from 5" x 7" (127mm x 178mm) up to 36" x 48" (914mm to 1220mm).
- Non-glare polystyrene sheet is offered in sheet sizes from 5" x 7" to 24" x 36" (127mm x 178mm to 610mm x 914mm).
- Precut to popular picture frame sizes or cut to exact size specifications.
- **Run-to-Size** sheet offered.

#### COLORS AVAILABLE:

1000 Blue  
2069 Blue  
2424 Blue  
1020 Purple  
1050 Gray  
2064 Gray\*  
1119 Orange  
1300 Gold  
1310 Red  
1400 Red  
2423 Red  
2404 Bronze\*  
1600 Bronze  
4674 Green  
2414 Green  
1450 Pink  
2120 Teal  
2208 Yellow  
2422 Amber

\* .236" (6mm) thickness available.



## FABBACK® THERMOPLASTIC MIRROR SHEET

**Ideal for displays, decorative units, casinos, signage and cosmetic displays.**

- Clear acrylic mirror is offered in a thickness range from .060" to .236" (1.5mm to 6.0mm), in a standard sheet size of 48" x 96" (1220mm x 2440mm).
- Non-stock sizes from 36" x 60" (914mm x 1524mm) to 80" x 120" (2032mm x 2450mm) available.
- PETG and Polycarbonate (PC) clear mirror available.
- Two-sided and see-through mirrors available in acrylic and Polycarbonate substrates.
- Available clear mirror patterns include A-81 stipple, prismatic and non-glare.
- .118" (3mm) acrylic mirror is available in a variety of colors, stocked in a 48" x 96.5" (1220mm x 2450mm) sheet size, and protected with a 3 mil laser cuttable film.
- Acrylic mirror colors are produced with a 1" overage to provide maximum yield for the laser cutting industry.
- "ARmadillo" scratch resistant coating is available on acrylic non-mirror, mirror acrylic and Polycarbonate sheet.

## TRANSPORTATION GRADE MIRROR

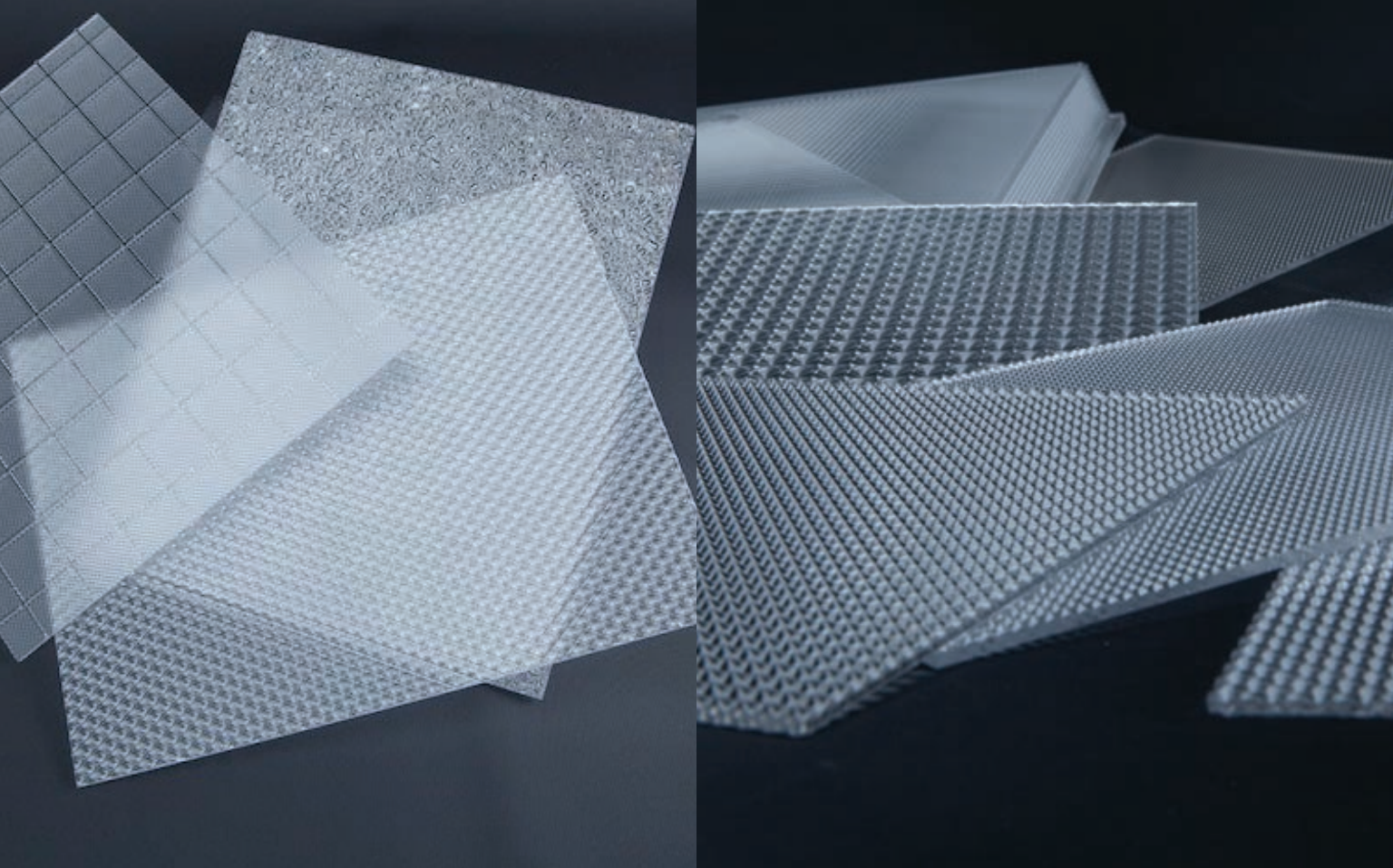
### MARINE GRADE ACRYLIC (PMMA) SHEET

- High quality, premium grade of FABBACK® acrylic mirror sheet.
- Double inspected throughout manufacturing process to ensure maximum quality.
- Available in .118" and .236" (3mm and 6mm) thicknesses, in a 48" x 96" (1220mm x 2440mm) sheet size.
- Abrasion resistant coating, custom sizes and thicknesses available.

### AIRCRAFT GRADE POLYCARBONATE (PC) MIRROR SHEET

- Offers maximum quality and abrasion resistance.
- Meets FAR 25.853 (a) flame retardant requirements.
- Available thickness range from .080" to .118" (2mm to 3mm), in a 48" x 96" (1220mm x 2440mm) sheet size.
- Clear, bronzes and gray tints available.





## ACRYLIC (PMMA) AND POLYSTYRENE (PS) PATTERNED LIGHTING SHEET

### Ideal for home environment applications.

- Prismatic, Prisma Square and Cracked Ice patterned acrylic panels available.
- Available in 23.75" x 47.75" (603.25mm x 1212.85mm) & 36" x 60" (914mm x 1524mm) sheet sizes.
- Polystyrene patterns include Egg Crate, Flat Mist White, Prismatic and Cracked Ice. Available in 23.75" x 47.75" (603.25mm x 1212.85mm) sheet size.
- DURA LENS® premium grade acrylic lighting panels are offered in Prismatic, Prisma Square and Cracked Ice patterns and are covered by a 10-year limited warranty against breakage.

## ACRYLIC (PMMA) SPECIALTY LIGHTING SHEET

### Ideal for a variety of specialty architectural lighting applications.

Each of the KSH® lighting patterns and finish options was designed to provide varying levels of control and direction of fluorescent and HID lighting.

- Prismatic patterned panels offer a variety of glare control and light distribution properties.
- Matte finish Overlay products diffuse lamp images and provide uniform surface brightness.
- Linear ribbed lenses have a hammertone finish that provides light diffusion and eliminates harsh spikes of light output.
- Computer designed lenses provide optimum energy efficiency.
- 95 patterned lenses provide an attractive textured surface on one side and reduces luminance fluctuations.



## VIVAK®

### PETG SHEET

**Ideal for thermoforming applications.**

- Offers a unique balance of physical properties and ease of fabrication.
- Ideal for applications that require deep draws, complex die cuts and precise molded in details, without sacrificing structural integrity.
- VIVAK is manufactured with a resin that complies with FDA requirements for food contact, and is available in a thickness range from .020" to .500" (.508mm to 12.7mm).
- Available in a wide range of sheet sizes.
- Custom thickness and color options available.
- **Run-to-Size** sheet offered.

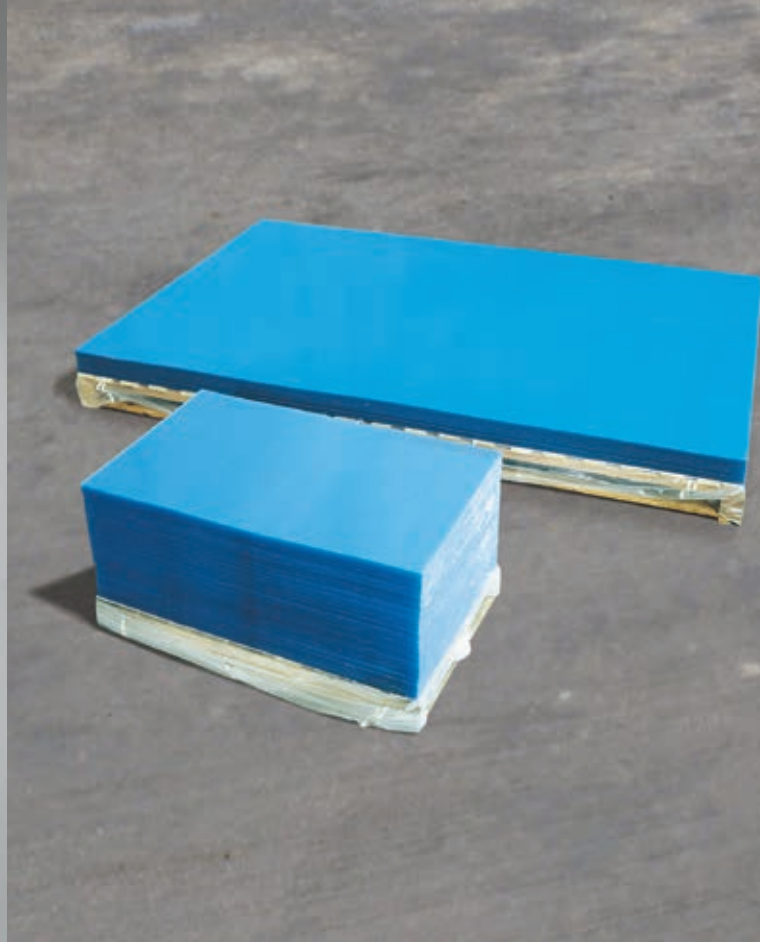
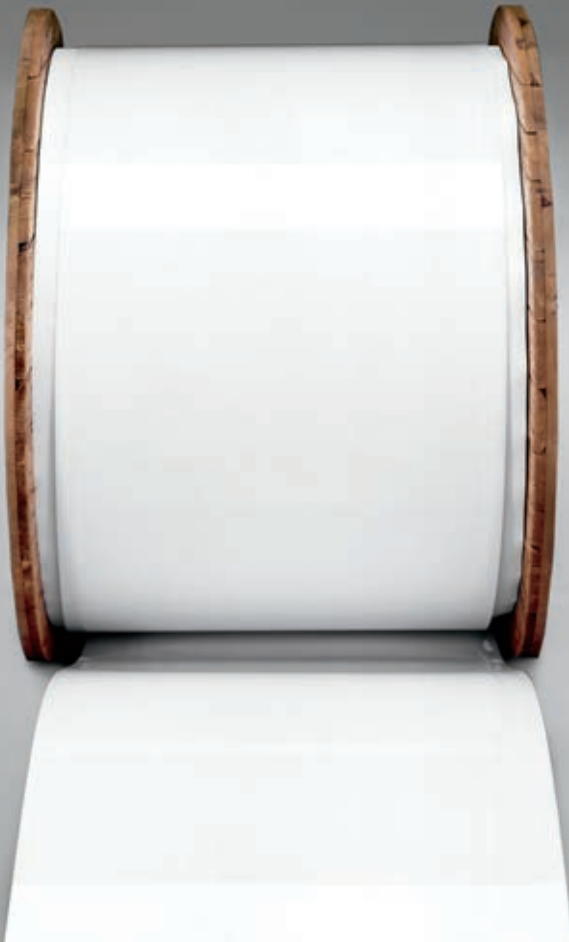
## MUSTANG® COPOLYESTER SHEET

**Ideal for thermoforming applications.**

- Impact strength comparable to that of Polycarbonate, but without the need to pre-dry sheet prior to thermoforming.
- Outstanding thermoforming detail and shorter thermoforming cycle times.
- Low forming temperatures allow for sheet to be formed with pre-applied vinyl.
- Available in a thickness range from .093" to .236" (2.3mm to 6.0mm), in clear and white colors.
- Flat sheet and roll stock available.

### MUSTANG®*CHROME*

- Mimics the look of real chrome, with a highly reflective, see-through surface that can be backlit at night.
- Provides a modern, sophisticated appearance for thermoforming applications that require low stretch.
- 47" (1194mm) and 57" (1448mm) wide chrome laminate is available on clear or white MUSTANG® substrate, in sheet widths up to 70" (1778mm).



## OPTIX<sup>®</sup> ROLL STOCK

**DURAPLEX<sup>®</sup>**

**MUSTANG<sup>®</sup>**

**Ideal for sign applications.**

- Unlimited lengths, no seams in finished parts.
- Efficient handling and fabricating techniques.
- Opens inventory storage space.
- Better total sheet usage, less scrap.
- Clear and colors offered in OPTIX SG general purpose, DURAPLEX SG-05 medium impact, SG-10 high impact and MUSTANG copolyester.
- Available in widths up to 105" (2667mm), in a thickness range from .118" to .236" (3mm to 6mm).
- Custom colors, widths and thicknesses available.

## RUN-TO-SIZE PROGRAM

Plaskolite offers the flexibility of buying acrylic sheet literally **Run-to-Size** per your specifications. This helps you save time, eliminate scrap, improve productivity, reduce wear and tear on your equipment, and improve your profitability.

**Acrylic sheet is available in:**

- Wide range of sizes and thicknesses.
- Low minimum order requirements.
- Quick turnaround time—the shortest in the industry.
- State-of-the-art sheet lines with the most precise tolerances.
- Saw cut and slitter cut edges available.
- Superior service and Inside Sales.

**You are losing a clear advantage if you are not buying Run-to-Size sheet from Plaskolite.**





Imagine the coating possibilities



## HIGH PERFORMANCE COATINGS

Plaskolite offers coating services for a variety of thermoplastic sheet products, as well as formed parts. Available coating options include:

- Abrasion Resistant Optical Quality Coatings (HMR/AR)
- Anti-Fog Mirror Coatings (AFM)
- Hard Coat Anti-Fog Optical Quality Coating (HCAF)
- Formable Acrylic Hard Coatings (FAHC)
- Formable Hard Coat Optical Quality PC Coatings (FHC)
- Impact Modified UV Cure Hard Coat (IMHC)
- Reduced Glare Optical Quality (RG)
- Solar Reflective Optical Quality Coatings (IR)
- 1st Surface Mirror Coatings

## ACRYLIC (PMMA) RESINS

**Ideal for extrusion and injection molding.**

- Excellent optical clarity.
- Unsurpassed weatherability versus other thermoplastic materials.
- Multiple grades of General Purpose and Impact-Modified resins.
- Manufacturer of complex custom tailored formulations.
- Quality-controlled for consistent high performance.
- Technical and Engineering support services ready to answer questions on molding/extrusion processing, mold design and troubleshooting.

## **DISCLAIMER**

This brochure does not constitute an offer to sell by the Company. The Company sells ONLY under its current Terms and Conditions of Sale which appear on its Acknowledgements and Invoices. A current copy of the Company's Terms and Conditions of Sale will be supplied upon request. The details provided are believed to be accurate at the time of publication; however, no description is a warranty that the product is suitable for any particular application. The Company makes no warranties, and undertakes and accepts no liabilities, except only as set forth in its current Terms and Conditions of Sale.

**PLASKOLITE  
MATERIAL  
EXCELLENCE**

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