PLASKOLITE

PRODUCTS:

- OPTIX® Acrylic (PMMA) Sheet
- DURAPLEX® Impact Modified Acrylic (PMMA) Sheet
- Roll Stock
- Picture Frame Glazing
- Lighting Sheet
- FABBACK® Acrylic (PMMA) Mirror Sheet
- Transportation Grade Mirror
- VIVAK® PETG Sheet
- ABS Sheet
- High Performance Coatings
- OPTIX® Acrylic (PMMA) Resins

PLASKOLITE

Plaskolite has an excellent reputation for providing high-quality products and responsive customer service. Based in Columbus, Ohio, Plaskolite is the world's leading manufacturer of acrylic sheet, ABS, PETG, thermoplastic mirrors and acrylic resins. We are the industry experts in the application of high performance functional hard coatings for thermoplastic sheet, injection molded and 3D parts.

The Plaskolite commitment to quality extends over every aspect of our business. From our 350,000-square-foot manufacturing and distribution headquarters in Columbus, Ohio, to our 245,000 square-foot manufacturing facility in Zanesville, Ohio, Plaskolite delivers flawless quality sheet and resin to customers worldwide. ISO 9001:2008 quality management standards are maintained throughout our processes, including a fully integrated manufacturing system that converts acrylic monomer into acrylic resin and then into acrylic sheet. Plaskolite's Columbus, Ohio, and Compton, California, facilities comply with the ISO 13485:2003 certification for the manufacturing of acrylic resins.

To better serve our customers, Plaskolite offers thermoplastic sheet products in a wide variety of sizes, colors and patterns, as well as customized "Run-to-Size" dimensions, special patterns, formulations and thicknesses. Plaskolite inside sales representatives use advanced automated order and shipping tracking systems to provide customers with real-time order information.

From manufacturing through customized product offerings, services, packing, shipping and order tracking, Plaskolite is committed to delivering the highest quality products and service to customers worldwide.

COMPANY PROFILE

FOUNDED: 1950

EMPLOYEES: 640

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)
- Malatya, Turkey (PIA cell cast manufacturing and distribution)
- Ontario, California (distribution)
- Doesburg, Holland (distribution)

Columbus, Ohio

Zanesville, Ohio

Grand Saline,
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Olive Branch,
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Monterrey,
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Malatya,
Turkey

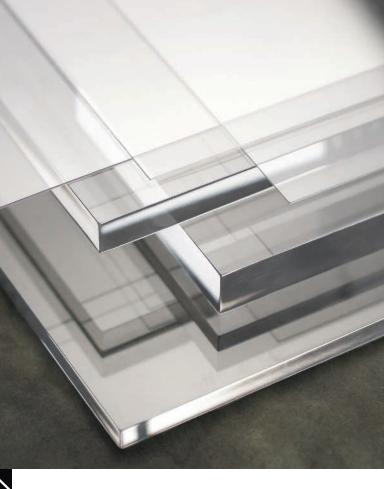Compton,
California

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OPTIX® 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 25.4mm).
- 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-coating and impact-modified.
- Widths available up to 58" (1473mm).

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

- Thick gauge clear acrylic offered from .500" (12mm) to 1" (25.4mm).
- Available in clear, colors and patterns with color matching available.
- **Run-to-Size** sheet offered.

OPTIX® PATTERNED ACRYLIC (PMMA) SHEET

Ideal for shower door and outdoor furniture applications.

- Adobe and P-32/Haircell patterns available.
- Stocked in .220" (5.6mm).
- Custom sizes and thicknesses available.

OPTIX NG

OPTIX 99

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 .080" to .177" (2.0mm to 4.5mm).
- OPTIX 99 offers an ultra-matte finish and is available in a thickness range from .060" to .125" (1.5mm to 3.2mm).
- Available in a wide range of sheet sizes.
- Custom sizes, colors and thicknesses available.
- **Run-to-Size** sheet offered.

OPTIX® FROST

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" to .375" (3mm to 9.5mm).
- **Run-to-Size** sheet offered.

OPTIX®95 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" to .375" (3mm to 9.5mm).
- Available in a 48" x 96" (1219mm x 2438mm) sheet size.

OPTIX ®**·DA**
DIGITAL ACRYLIC

UV INK COMPATIBLE ACRYLIC (PMMA) SHEET

Ideal for printing applications.

- A continuously processed acrylic sheet designed specifically for optimal adhesion of UV curable inks.
- No adhesion promoter application or other pre-press surface preparations are needed.
- Available in clear, white and non-glare.
- Stocked in a thickness range from .118" to .220" (3.0mm to 5.6mm).

OPTIX.LD
Light Diffusing Acrylic

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, 2406 White, 2447 White, 2050 Blue, 7328 White, 2114 Blue and 2037 Yellow.

- Available in SG05 impact-modified, Frost, 95 and non-glare finishes.

- Thicknesses: .118" and .177" (3mm and 4.5mm).

- Custom corporate colors and sheet sizes available.

DURAPLEX IMPACT MODIFIED ACRYLIC (PMMA) SHEET

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

- 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.
- Excellent weatherability.
- 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.

OPTIX ■ FRAME GRADE

ACRYLIC (PMMA) PICTURE FRAME GLAZING

Ideal for picture frame applications.
FRAME GRADE ACRYLIC (PMMA) SHEET

- Camera inspected throughout manufacturing process to insure highest quality.
- Available in a thickness range from .060" to .118" (1.5mm to 3.0mm); in 48" x 96" (1219mm x 2438mm) sheet size.
- Ultraviolet filtering (UVF) Frame Grade is available in .098" and .118" (2.5mm and 3.0mm); in 48" x 96" (1219mm x 2438mm) sheet size.
- UVF Frame Grade Acrylic absorbs 98% of harmful UV rays.

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 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.

- "AR" scratch resistant coating is available on acrylic non-mirror, mirror acrylic and Polycarbonate sheet.
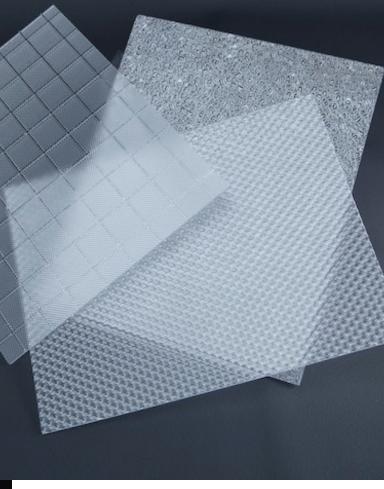
TRANSPORTATION GRADE MIRROR

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.
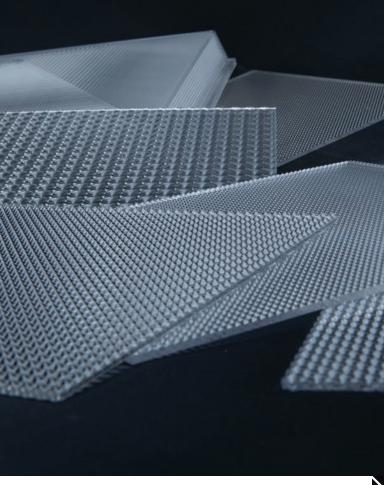
AIRCRAFT GRADE POLYCARBONATE (PC) MIRROR SHEET

- 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.

OPTIX® ACRYLIC (PMMA) PATTERNED LIGHTING SHEET

Ideal for home environment applications.

- Prismatic, Prisma Square, Micro Prism and Cracked Ice patterns available.
- Available in the following sheet sizes:
  - 23.75" x 23.75" (603.25mm x 603.25mm)
  - 23.75" x 47.75" (603.25mm x 1212.85mm)
  - 36" x 60" (914mm x1524mm)
- DURALENS® 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, LED 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.

- Computer designed lenses provide optimum energy efficiency.

- The Pattern 12, KSH Frost Glaze, KSH-19, KSH-23 and KSH Overlay lighting panels are available with LED light filtering properties to provide optimum light diffusion while maintaining a high light transmission.

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.

ABS SHEET

Ideal for thermoforming applications.

- Utility Grade ABS (Acrylonitrile Butadiene Styrene) sheet is produced with only the highest quality recycled product and has a 100% virgin cap.

- Thickness range from .060" (1.5mm) to .236" (6.0mm).

- Black and white colors available with a haircell pattern on one side, smooth finish on the reverse.

- Available in a 48" x 96" (1219mm x 2438mm) sheet size.

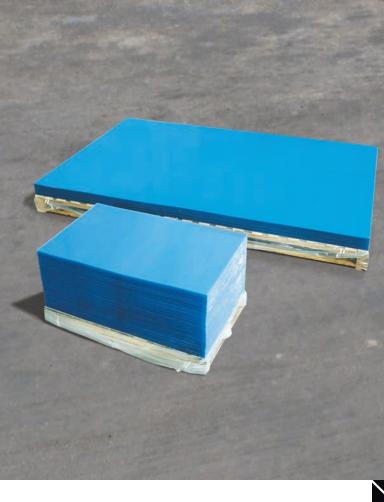- ABS has high impact strength and outstanding formability.

OPTIX ROLL STOCK

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 and SG-10 high impact.
- 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)
- Hard Coat Anti-Fog (HCAF)
- Formable Hard Coat (FHC)
- Impact Modified UV Cure Hard Coat (IMHC)
- Reduced Glare (RG)
- Solar Reflective Optical Quality Coating (IR)
- 1st Surface Mirror Coating

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.