



Super brilliant acrylic sheet
for **projection screens.**

Plexiglas®

Plexiglas® Vision

ACRYLIC SHEET

Plexiglas® Vision acrylic sheet is the newest innovation for overhead and rear projection screens. Its super brilliant sheet design and high contrast ratio make images visible from every angle, up-close, far away, one-side or both.

Choose from four versions of the sheet: white for holographic effects, grays for one- or two-sided viewing, or colorless heavy matte for scratch- and impact-resistance. Project your visual ideas beautifully with Plexiglas® Vision acrylic sheet.

- For in-store displays, museums, showrooms, theaters.
- Best viewed on fine-matte side to avoid reflection.
- Material can be cut out in any shape or thermoformed.
- Viewing angle is 10 to 170 degrees.
- Projection can be made from either side of sheet.
- High contrast ratio, suitable for 4:3 and 16:9 formats.
- Half the weight of glass.
- Available in an impact version.

Plexiglas® Vision

ACRYLIC SHEET

Plexiglas® Vision acrylic sheet permits very lightweight screens to be fabricated in uniquely creative shapes. With a gain of 3 (image brightness x 3) and a very high contrast ratio, Plexiglas® Vision acrylic sheet produces striking colors, sharp images, large formats and wide angles. Beyond unconventional video and graphic effects for commercial and retail environments, Plexiglas® Vision acrylic sheet also enables unique indoor architecture and spectacular murals. Choose from four versions for your application needs.

AVERAGE PHYSICAL PROPERTIES OF PLEXIGLAS® VISION ACRYLIC SHEET

| PROPERTY | UNITS | 28001 GRAY DP-97 MATTE | 28001 GRAY P-97 MATTE | 27032 WHITE GLOSS | VS COLORLESS HEAVY MATTE | TEST METHOD |
|---------------------------------------|---------------------------|---------------------------|--------------------------|----------------------|-----------------------------|-------------|
| MECHANICAL (4mm) | | | | | | |
| Tensile modulus | psi | 480,000 | 480,000 | 480,000 | 330,000 | ASTM D638 |
| Yield stress | psi | 11,000 | 11,000 | 11,000 | 7,600 | ASTM D638 |
| Impact strength (Charpy, 0.236") | ft-lb/ 1/2" by 1" section | 7 | 7 | 7 | | ASTM D256 |
| OPTICAL | | | | | | |
| Brightness gain | - | 3 | 1.4 | | | |
| Half gain angle (vertical/horizontal) | Degrees | 12 | 10.6 | 1.1 | 14.2 | |
| Gloss at (Side A/Side B) | | | | | | |
| 20 Degrees | - | <1 / <1 | <1 / 76 | 92 / 92 | <2 / <2 | |
| 60 Degrees | - | <2 / <2 | <2 / 84 | 97 / 97 | <14 / <14 | |
| 85 Degrees | - | <4 / <4 | <6 / 96 | 99 / 99 | <9 / <9 | |
| Transmission | % | 46.2% | 46.5% | 89.5% | 83.6% | ASTM D1003 |
| MISCELLANEOUS | | | | | | |
| Density | | 1.19 | 1.19 | 1.19 | 1.16 | ASTM D1238 |

PLEXIGLAS® VISION ACRYLIC SHEET

| | | |
|--------------|------------|--|
| WHITE | 27032 | For holographic effects |
| GRAY | 28001 P97 | Fine-matte finish for one-sided viewing |
| GRAY | 28001 DP97 | With two fine-matte finishes, best for viewing from both sides |
| VS COLORLESS | | Heavy matte finish on both surfaces to resist impact, scratches and fingerprints |

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Plexiglas® acrylic sheet is a combustible thermoplastic. Observe fire precautions appropriate for comparable forms of wood and paper. For building uses, check code approvals. Impact resistance is a factor of thickness. Avoid exposure to heat or aromatic solvents. Clean with soap and water. Avoid abrasives.

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See MSDS for Health & Safety Considerations.

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STANDARD OFFERING

| | |
|------------------|-------------------|
| THICKNESS | SHEET SIZE |
| 0.118" (3mm) | 80" x 120" |
| 0.197" (5mm) | 80" x 120" |