



# Plexiglas® Sylk

## Think Sleek and Chic for Any Application

Plexiglas® Sylk acrylic sheet takes shape with the latest technological developments in light diffusion, and offers exceptional diffusion characteristics combined with tremendous light transmission. With a transition to LED light sources, this product offers optimum optical performance without sacrificing light transmission. Plexiglas® Sylk has been designed specifically to enhance virtually any environment.

Plexiglas® Sylk acrylic sheet can be easily designed and has all the fabrication attributes you have come to expect of standard Plexiglas® acrylic sheet. Unlike products exhibiting a mechanically applied finish, the soft and subtle texture is engineered throughout the entire acrylic sheet, allowing it to retain its beautiful aesthetic even after thermoforming or fabricating. Additionally, Plexiglas® Sylk exhibits maximum LED hiding power with consistent optical performance across all thicknesses.

- Soft, subtle, and modern matte finish
- Fingerprint, mar, & scratch resistant
- Lightweight
- Easily fabricated and thermoformed with no distortion
- Maximum LED hiding power
- Consistent optical performance

With its exceptional light transmittance and resistance to wear qualities, Plexiglas® Sylk is a perfect choice for a variety of applications. This versatile material is an excellent fit for POP displays, store fixtures, signage, lighting and decorative furnishings. Open up your imagination to the unlimited possibilities.

- Architectural Lighting
- Indoor Signage
- POP Displays
- Store Fixtures
- Decorative Glazing
- Luminaries
- Privacy Partitions
- Wall Paneling
- Furniture
- Outdoor Signage
- Skylights

### COLOR OFFERINGS\*

Plexiglas® Sylk is available as a colorless acrylic. For applications that require a pop of color, Plexiglas® Sylk is beautifully highlighted by lighting of any color, and can also easily be screen printed.

\*Premier and custom colors may be available upon request; minimum order quantity and lead times may vary. Please contact our customer service team for more information.

### PRODUCT OFFERINGS\*\*

Plexiglas® Sylk is available in a variety of sizes and thicknesses, with custom offerings quoted upon request.

THICKNESS				SHEET SIZE
0.080"	0.118"	0.177"	0.236"	48" x 96"

\*\*Not all thickness/sheet size combinations may be in stock. Minimum order quantity and lead times may vary. Please contact our customer service team for more information.



### HOW TO PURCHASE

Plexiglas® Sylk can be purchased through authorized distributors throughout the Americas.

For product inquiries, technical questions, or contact information for your closest distributor, please contact our customer service team at:  
[arkema.usph-sheet-cs@altuglasint.com](mailto:arkema.usph-sheet-cs@altuglasint.com) or 1-800-523-7500

PROPERTIES	TEST METHOD	VALUE	UNIT OF MEASURE
<b>PHYSICAL</b>			
Nominal Thickness for data unless otherwise noted	N/A	0.118"	in
Specific Gravity	ASTM D-792	1.19	—
Rockwell Hardness	ASTM D-785	86	M scale
<b>OPTICAL</b>			
Luminous Transmittance <sup>1</sup>	ASTM D-1003	85	%
Haze <sup>1,3</sup>	ASTM D-1003	100	%
<b>MECHANICAL</b>			
Tensile Strength, maximum	ASTM D-683	9,300	psi
Tensile Strength, Yield	ASTM D-638	9,300	psi
Tensile Elongation, Yield	ASTM D-683	7.7	%
Tensile Modulus of Elasticity	ASTM D-683	425,000	psi
Flexural Strength, maximum	ASTM D-790	116,500	psi
Flexural Modulus of Elasticity	ASTM D-790	415,000	psi
Notched Izod Impact @ 73°F (23°C)	ASTM D-256	0.4	ft-lb / in
Charpy Impact (Unnotched)	ASTM D-6110	6.1	ft-lb / in
<b>THERMAL</b>			
Deflection Temperature under Flexural Load @ 264psi – unannealed <sup>1</sup>	ASTM D-648	181	°F
Deflection Temp Under Flexural Load @ 264 psi - annealed <sup>1,4</sup>	ASTM D-648	203	°F
Maximum Recommended Continuous Service Temperature	N/A	170 - 190	°F
Recommended Thermoforming Temperature	N/A	275 - 350	°F
<b>CRAZE RESISTANCE<sup>5</sup></b>			
Craze Resistance IPA	MIL-PRF-8184	1,250	psi
Craze Resistance Acetone	MIL-PRF-8184	380	psi
<b>FLAMMABILITY<sup>1,6</sup> &amp; SPECIFICATION COMPLIANCE</b>			
Horizontal Burn Rate <sup>1,2</sup>	ASTM D-635	1.0	in / min
Smoke Density <sup>1,2</sup>	ASTM D-2843	3.2	%
Self Ignition Temperature <sup>1,2</sup>	ASTM D-1929	760	°F
Plastics Component – QMFZ2.E39437 Flammability Classification	UL 94	HB (≥ 0.080" All)	–
Plastics Component – QMFZ2.E39437 Relative Thermal Index	UL 746B	194	°F
Plastics Component – QMFZ2.E39437 - Outdoor Suitability	UL 746C	f1 (≥ 0.080" Colorless) f2 (≥ 0.080" ALL)	–
International Building Code	IBC 2606.4	CC2 (0.080" – 0.472")	–
Miami-Dade County Product Control Division	NOA # 20-1104.03	PASS (0.080" - 0.472")	–
Standard Specification for PMMA Acrylic Plastic Sheet	ASTM D-4802	Category B-1, Finish 2	–

CLP 0921

Data given are average values and should not be used for specification purposes.

1- This property will change with thickness. The value given is for the thickness indicated in the column heading unless otherwise noted.

2- Tests performed on .080" thickness.

3- Haze reading >30% reported for informational purposes.

4- Annealing Cycle: 4 hrs @ 185°F.

5- Conditioned for 2 hours @ 200°F and then room temperature for 48 hours.

6- Flammability tests are small scale tests and may not be indicative of how materials will perform in an actual situation.

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