

PRODUCT DATA SHEET

MultiLite
MULTIWALL POLYCARBONATE
6mm & 16mm Sheets

July 2026

MultiLite™

MULTIWALL
POLYCARBONATE
SHEETS

PRODUCT DIMENSIONS

Product/Thickness	Structure	Width	Length	Rib Distance	Lbs/Sq Ft
6mm	Twin-Wall	48"	8'	4.6mm	0.25
16mm	Triple-Wall	48"	8'	20mm	0.55

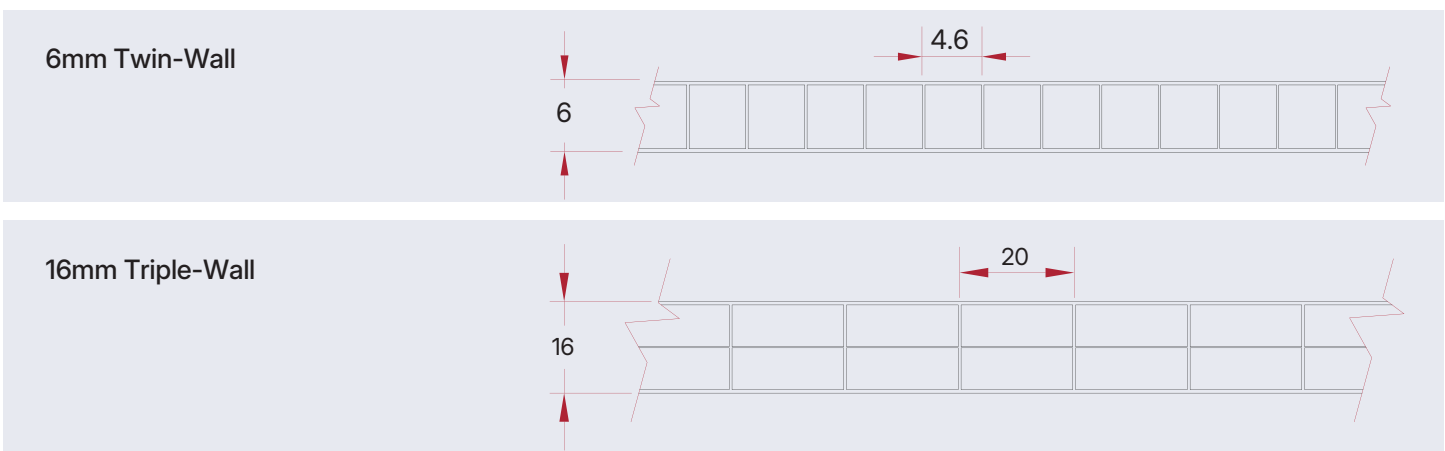
LIGHT TRANSMISSION

Product	Clear LT%	SHGC	Opal LT%	SHGC	Smoke LT%	SHGC	Diffused LT%	SHGC
6mm Twin-Wall	82%	0.82	N/A	N/A	N/A	N/A	N/A	N/A
16mm Triple-Wall	74%	0.72	N/A	N/A	N/A	N/A	N/A	N/A

PERFORMANCE VALUES

Product	U-Value Btu/h.ft ² .°F	R-Value h.ft ² .°F/Btu	STC	Minimum Curve Radius	1" Def at 30 psf	2.5" Def at 30 psf
6mm Twin-Wall	0.65	1.54	8	36"	N/A	34"
16mm Triple-Wall	0.42	2.38	21	95"	33"	56"

PRODUCT STRUCTURES



Product Tolerances: Thickness: +/-0.5mm | Width: -0/+6mm | Weight: +/-0.05 kg/m² | Length < 196": -0/+10mm | Length > 196": -0/+25mm
Custom colors and non-standard sizes available; minimum order quantities apply. Contact APC for details.

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MultiLite is the multiwall polycarbonate sheet manufactured by APC. The sheet is characterized by high optical clarity, light transmission, impact resistance and durability. It is available in a range of standard sizes, clear and tinted. MultiLite has a co-extruded UV protection layer on one side.

WARRANTY

10-Year Limited Warranty. Full warranty documentation is available upon request.

FIRE TESTING

MultiLite multiwall polycarbonate sheets, manufactured by APC, demonstrate good fire performance. Classification report available upon request.

QUALITY

Manufactured under ISO 9001:2015 to EN 16153:2013+A1:2015

HANDLING & SAFETY

Do not step or walk directly on the polycarbonate sheets. Always use stepping boards during and after installation. Work according to local safety regulations.

STORAGE

Store in a shaded place, protect from direct sunlight and rain prior to installation. Avoid covering the sheets with heat absorbing materials. Avoid contact with chemicals. Protect the sheets from physical damage. Pallets should be stacked no more than three pallets high.

INSTALLATION

Allow adequate clearance for thermal movement, nominally 0.14 in. per foot of sheet length. Holes drilled for fasteners must be oversized. Sheet lengths must be limited to ensure there is no excessive movement at the end laps.

SERVICE TEMPERATURE

MultiLite mechanical performance is known to remain stable for prolonged service in temperatures ranging from -4 to +212 °F (Short term unstressed -40 to +266 °F).

MAINTENANCE

To maintain this product in good condition, it should be cleaned periodically using suitable detergent cleaning agents. Do not use solvent-based cleaners. Do not scrub the surface with brushes or sharp objects. Avoid cleaning in direct sunlight or at high temperatures.

RECYCLING

MultiLite is 100% recyclable and reusable if separated from other materials at the end of its life cycle. Contact your local recycling center for more information.

ADDITIONAL INFORMATION

Please contact the Technical Department for product specific information.

This information is given in good faith & is believed by American Polycarbonate Company to be accurate & reliable. Since the use of this information is not within American Polycarbonate Company's control, no warranty, expressed or implied is given. It is the user's responsibility to determine whether the product is appropriate for their purpose. American Polycarbonate Company pursues a policy of continuous product development and reserves the right to amend specification without notice.

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