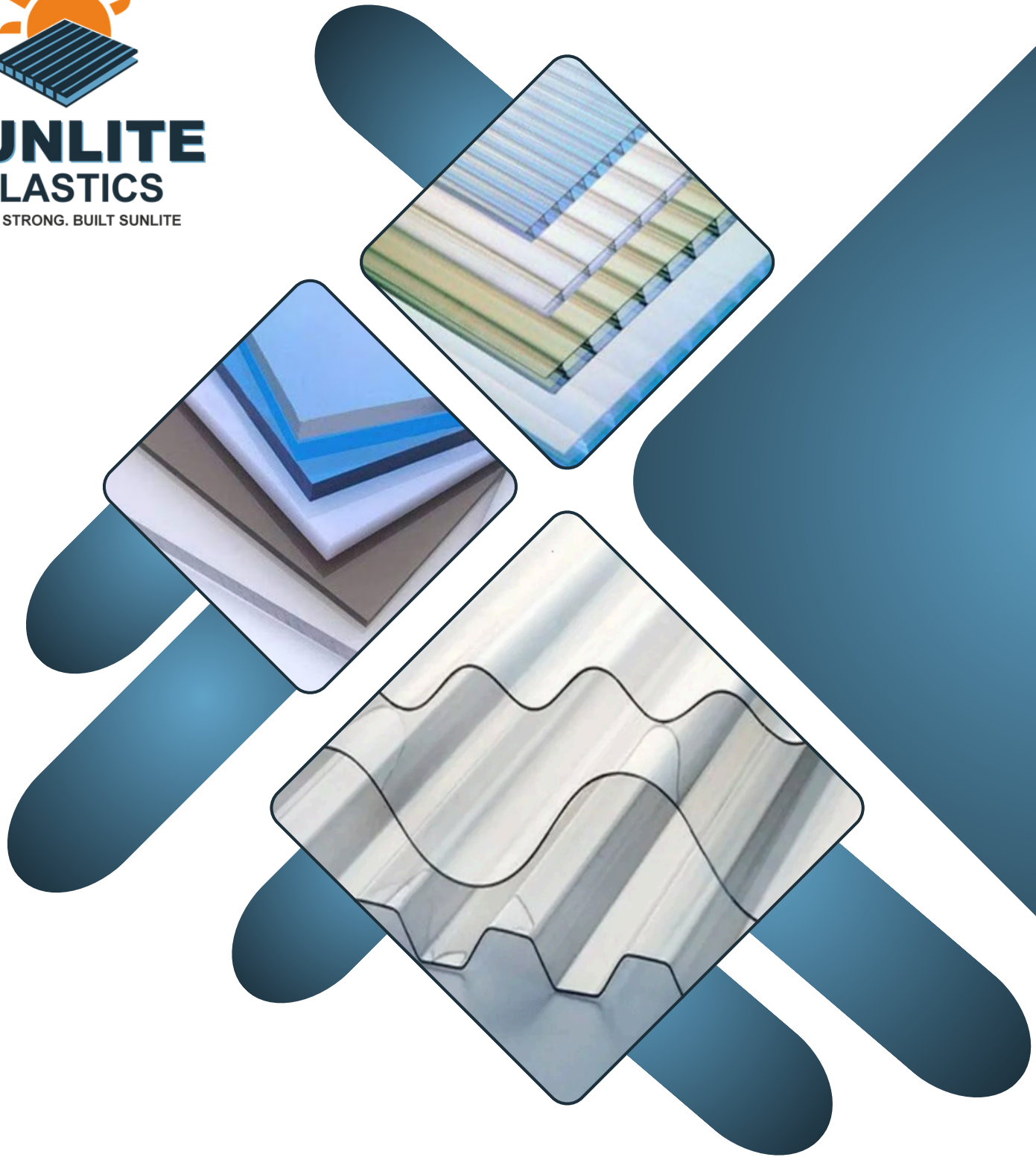


**SUNLITE
PLASTICS**

BUILT STRONG. BUILT SUNLITE



COMPANY PROFILE

SUNLITE PLASTICS is engaged in manufacturing and supplying a wide range of polycarbonate sheets, plastic components and customised polymer-based solutions. Our operations are supported by modern equipment, strict quality systems and a team that understands the demands of today's industries.

COMPANY PROFILE – SUNLITE PLASTICS

SUNLITE PLASTICS is a growing name in the plastics and polycarbonate solutions industry. Our goal is to offer high-quality products backed by strong technical expertise, modern manufacturing and a commitment to consistent performance. We are focused on becoming a reliable partner for industrial, commercial and infrastructure needs across India.

OUR VISION

To build a trusted brand in the polycarbonate and plastics sector by delivering durable, safe and cost-effective products with reliable service and long-term value.

ABOUT THE COMPANY

SUNLITE PLASTICS is engaged in manufacturing and supplying a wide range of polycarbonate sheets, plastic components and customised polymer-based solutions. Our operations are supported by modern equipment, strict quality systems and a team that understands the demands of today's industries. We aim to provide products that meet national and international standards while maintaining competitive pricing and timely delivery.

MANUFACTURING CAPABILITIES

We operate with advanced machinery and updated production technology that allows us to deliver consistent quality across all our product categories. Our facility includes in-house testing equipment to check strength, clarity, thickness, impact resistance and other quality parameters for every batch we produce.

Our manufacturing focus includes:

- Polycarbonate Sheets (Solid, Embossed, Textured, Multiwall)
- Plastic Profiles and Custom Components
- Industrial Polycarbonate Solutions
- Co-extruded Sheets made from high-quality raw materials

We follow strict quality controls to ensure that every product meets the required standards before dispatch.

Product Strengths

- High impact resistance
- UV protection (for sheets)
- Long service life
- Weather-resistant materials
- Uniform thickness and clarity
- Custom colours, sizes and profiles available

Our Approach

We believe in building long-term relationships through:

- Consistent quality
- Transparent pricing
- On-time delivery
- Quick response and after-sales support

Our goal is not only to supply products but to offer solutions that help customers build better and work smarter.

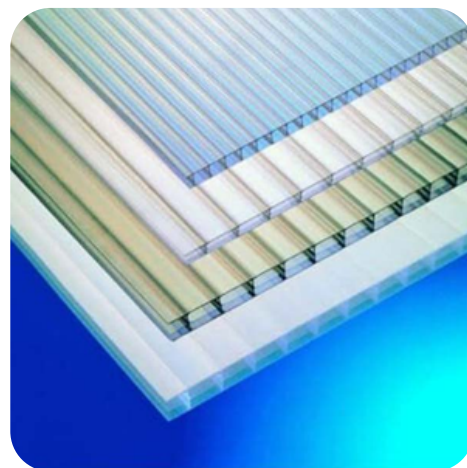
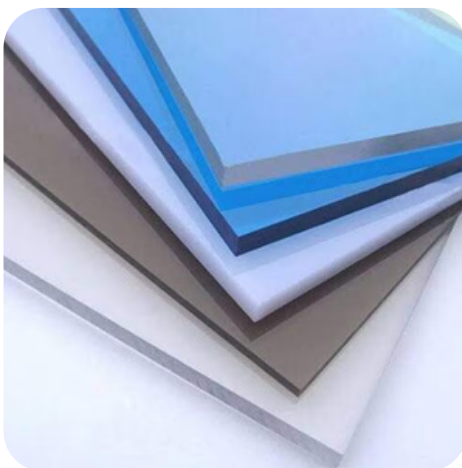
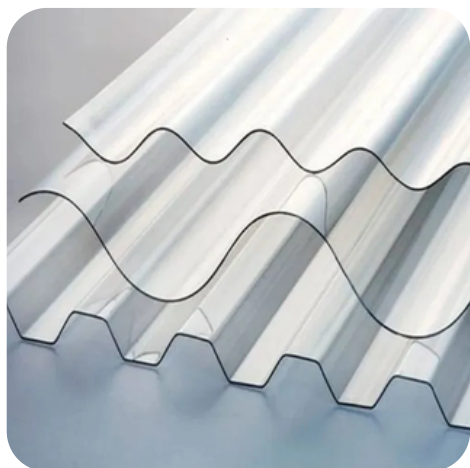
Applications

Our products serve a wide range of industries, including:

- Construction and roofing
- Industrial projects
- Electrical and engineering
- Automotive components
- Signage and display
- Agriculture and greenhouse structures

Commitment to Growth

SUNLITE PLASTICS is expanding its product line and capacity to meet growing market demand. We continue to upgrade our technology and processes so that we can deliver improved performance and better value to our customers.



SUNLITE PLASTICS offers high-performance solid polycarbonate sheets that combine strength, clarity and durability, making them ideal for demanding applications. These sheets are virtually unbreakable while remaining lightweight and highly transparent, offering the clarity of glass at less than half the weight. They can be cold bent, shaped or fabricated with ease, which makes them suitable for roofing, skylights, glazing, architectural features and industrial uses.

Available in clear, translucent and opaque variants, these sheets are also widely used for machine guards, sound barriers, anti-vandal panels and safety glazing.

FEATURES OF SUNLITE POLYCARBONATE SHEETS

High light transmission :

Allows 25% to 92% light, depending on colour and thickness.

Lightweight :

Significantly lighter than glass of the same thickness.

Temperature resistance :

Performs reliably from -40°C to 120°C

Impact resistance :

Up to 30 times stronger than acrylic and up to 250–300 times stronger than standard glass of similar thickness.

Sound insulation :

Provides 3–4 dB higher sound insulation than glass of the same thickness.

UV protection :

Both sides have a UV-resistant coating to protect the sheet from yellowing and weathering.

Fire resistance :

Self-extinguishing material that does not release toxic gases when exposed to flame.

Benefits of SUNLITE Polycarbonate Sheets

- Easy to cut, shape and cold bend
- Reduces energy consumption
- Available in multiple colours and finishes

Applications :

- Electrical and electronics components
- Optical plates and covers
- Automotive sector
- Greenhouses and nurseries
- Security and safety equipment
- Industrial glazing and protective barriers

POLYCARBONATE COMPACT SHEETS

SUNLITE Compact Sheets offer the clarity of glass with the toughness of polycarbonate. They are UV-protected on both sides, lightweight, shatter-resistant and easy to fabricate. Available in different thicknesses and sizes, these sheets are suitable for a wide range of architectural and industrial uses. Depending on colour and thickness, light transmission ranges from 50% to 92%.

Recommended for : Roofing, skylights, atriums and trapezoidal profiling.

Range :

- Thickness: 1 mm to 10 mm
- Width: Up to 2135 mm
- Length: Up to 100 ft coil / 4'x8' or custom size as required

Colours : Clear, Blue, Brown, Opal, Green, Smoke, Lake Blue, Red, Yellow, Pink or customised colours

Applications : Northlight roofing, roof lights, atriums, canopies, machine guards, sound barriers, partitions, pool covers and display windows
Standard: IS 14443:1997 (or equivalent industry standard on request)

POLYCARBONATE DIAMOND SHEETS

SUNLITE Diamond Sheets are UV-protected on both sides and come with a textured diamond pattern on one surface. This unique finish improves aesthetics, diffuses light and offers privacy while maintaining durability. The opposite side is polished for clean visibility.

Light transmission ranges from 50% to 90% depending on sheet specifications.

Recommended for : Indoor and decorative use

Range :

- Thickness: 1.4 mm to 4 mm
- Width: Up to 2135 mm
- Length: Up to 100 ft coil or customised size

Colours : Clear, Blue, Brown, Opal, Green, Opaque Silver or customised

Applications : Interior decoration, partitions, privacy panels, window glazing and display design

TECHNICAL TABLE

S. No	Property	Standard	Unit	Result Obtained
1	Tensile Strength Test Speed: 5mm/Min	ASTM D 638	Mpa	85.6
2	Elongation at break	ASTM D638	%	19.2
3	Tensile Modulus	ASTM D638	Mpa	2261.5
4	Izod Impact Strength (Notched)	ASTM D 256	Kj/m ²	77
5	Rockwell Hardness R Scale 60kgf load	ASTM D785	-	119
6	Flammaability	UL 94	-	V2
7	Coefficient of Linear Thermal Expansion CLTE (30°C to 60°C)	ASTM E 228	°C	6.89x10 ⁻⁵
8	Vicat Softening point @1kg load	ASTM D1525	°C	148.96
9	Specific Gravity	ASTM D 792	-	1.21
10	Flexural Strength	ASTM D 790	Mpa	77
11	Thermal conductivity @55° Mean Temperature	ASTM E 1530	W/mK	0.133

*Conducted on 2.0mm thick plain Polycarbonate Sheet



POLYCARBONATE PRISM SHEETS

SUNLITE Prism Sheets are UV-protected on both sides and feature a prism-textured surface on one side with a polished finish on the other. These sheets provide excellent daylight diffusion while maintaining clarity. Light transmission can reach up to 88%, depending on the colour and thickness selected.

Range:

- Thickness: 1.7 mm to 3 mm
- Width: up to 2135 mm
- Length: up to 100 ft coil or customized as required

Colors : Clear, Blue, Brown, Opal, Green, Opaque Silver or as needed

Applications : Interior partitions, decorative wall panels, window glass, interior design elements, privacy panels, fencing, false ceilings and other architectural uses.

POLYCARBONATE EMBOSSED SHEETS

SUNLITE Embossed Sheets are UV-coated on both sides with a fine grain matte texture on one surface and a clear polished finish on the other. They offer similar performance to compact clear sheets while adding a textured aesthetic.

Light transmission ranges from 35% to 88%, depending on thickness and sheet colour. This variant is well-suited for trapezoidal profiling and diffusion applications.

Range :

- Thickness: 1.2 mm to 6 mm
- Width: up to 2135 mm
- Length: up to 100 ft coil / 4' x 8' sheets or customized sizes

Colors : Clear, Blue, Brown, Opal, Green, Opaque Silver or as needed

Applications : Industrial roofing, skylights, LED light covers, partitions, pool covers, false ceilings, greenhouses, bus shelters and architectural installations.

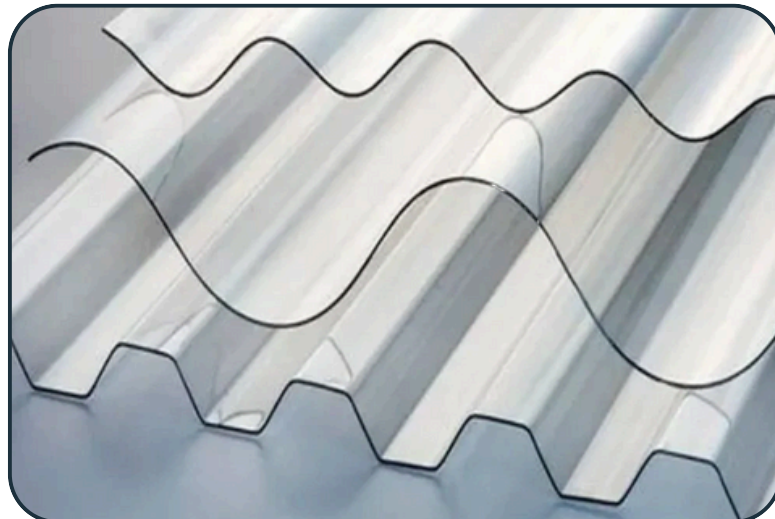
Standard : IS 14443:1997 (as applicable for product category)

SUNLITE Corrugated Polycarbonate Sheets are engineered as a strong and versatile roofing solution. They deliver excellent impact resistance, high clarity and long-term outdoor performance. These sheets reduce heat transmission, improve natural lighting and integrate easily with existing metal roofing systems.

They can be cold-bent on site and are also available in online co-extruded profiles to match a wide range of industrial and architectural requirements. Offered in multiple colours, textures and profile types.

FEATURES :

- Virtually unbreakable impact resistance
- High light transmission
- UV-resistant and weather-resistant
- Wide service temperature range
- Blocks up to 99% harmful UV
- Lightweight and easy to install
- Good fire performance
- Long service life
- Suitable for industrial and residential roofing
- Supports energy savings



APPLICATIONS :

- Architectural roofing and skylights
- Industrial roof lighting
- Greenhouses and agricultural structures
- Residential roofing and canopies
- Awnings and shelter structures
- Indoor and outdoor signage
- Walls, partitions, screens and ventilated façades

EXTRUDED PROFILED SHEETS

SUNLITE PLASTICS manufactures multiple types of co-extruded polycarbonate roof profiles designed to match standard metal and asbestos profiles. These sheets provide excellent durability, clarity and UV protection for both industrial and commercial environments.

C-130 Profile : Designed to match asbestos corrugation patterns. Available in both transparent and translucent variants.

Range : Thickness 1.5 mm to 3.0 mm, Width 1040 mm, Length up to 12 meters

Colors : Clear, Opal, Brown, Blue, Green or customised

C-76 Profile : Compatible with standard galvanized iron (GI) corrugated sheets. Can be supplied in transparent or translucent options.

Range : Thickness 1.2 mm to 3.0 mm, Width 1080 mm, Length up to 12 meters

Colors : Clear, Opal, Brown, Blue, Green or customised

U-45 Profile : A ribbed structural profile available in transparent and translucent grades.

Range : Thickness 1.2 mm to 3.0 mm, Width 1220 mm, Length up to 32 meters

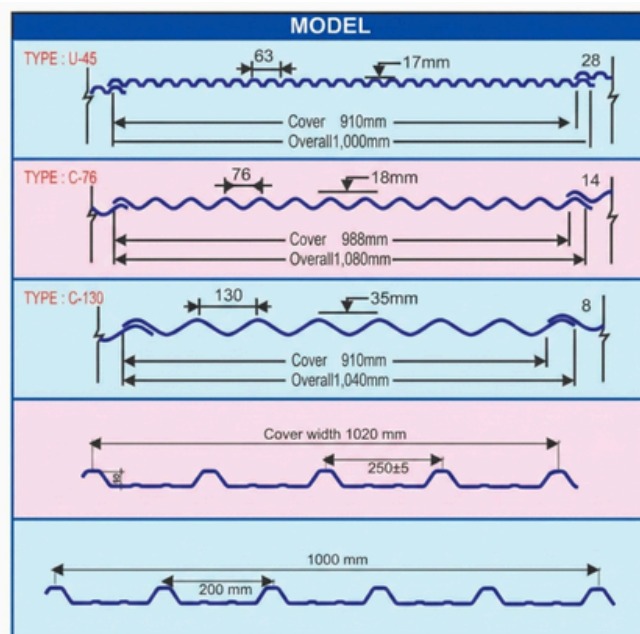
Colors : Clear or customised

Trapezoidal Profile : Precision-designed Trapezoidal Sheets manufactured to match different metal sheet designs.

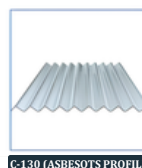
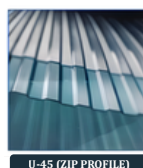
Range : Thickness 1.2 mm to 3.0 mm

Colors : Clear or customised

Applications : Industrial roofing, side cladding, skylight strips and natural daylighting



We at Sunlite Plastics Manufacture all types of Trapezoidal polycarbonate Roofing Profiles as per the customer's requirement



MULTIWALL POLYCARBONATE SHEET



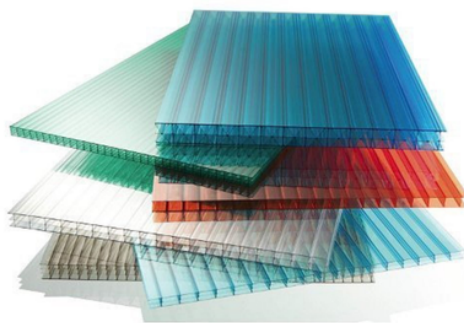
SUNLITE Multiwall Sheets are engineered using high-quality polycarbonate material and advanced co-extrusion technology to deliver superior UV resistance, long service life and consistent performance in demanding environments. These sheets provide excellent insulation, outstanding impact strength and reliable performance across a wide temperature range.

Their lightweight, flexible structure combined with exceptional durability makes SUNLITE Multiwall Sheets ideal for architectural, industrial and commercial glazing applications.

These premium qualities, along with long-lasting UV protection and the multi-layered design, make SUNLITE Multiwall Sheets an ideal daylighting solution for both indoor and outdoor use.

APPLICATIONS :

- External & internal glazing
- Commercial and retail roofing
- Sports facility roofing
- Covered walkways, canopies & awnings
- Open market roofing and light sheds
- Service station roofing
- Parking structure covering
- Swimming pool enclosures
- Residential patios & skylights
- Stadiums, railway stations & airport structures



BENEFITS :

- Lightweight yet withstands heavy loads
- Supports thermal expansion and contraction
- Fast and simple installation
- Leak-proof design with no fastener penetration
- High thermal insulation
- Ideal for curved glazing
- Double-sided UV protection standard
- Helps reduce heat and solar gain
- Energy-saving and cost-efficient
- Long-lasting clarity and durability

PRODUCT RANGE & TECHNICAL DATA

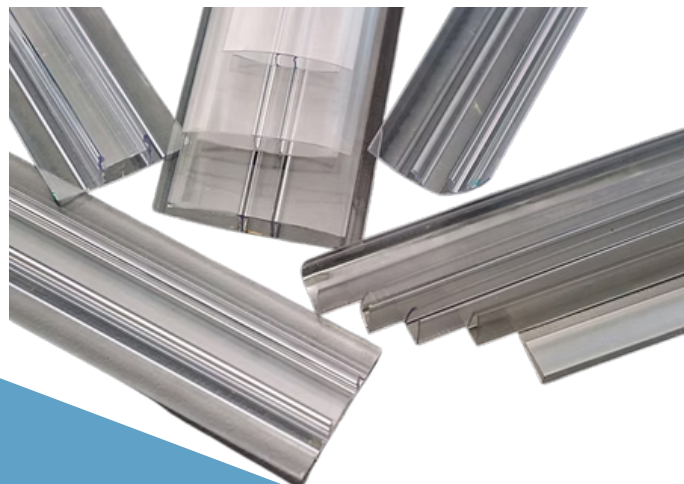
Structure	Thickness (mm)	Approx. Weight (Kg/m ²)	Maximum Width (mm)	Maximum Length (mm)	Light Transmission (%) Clear	Relative U-Values (W/m ² K) Clear	Colors
	4	0.85	1220 / 2100	11900	80	3.9	Clear, Blue, Green, Opal, Bronze, Silver
	6	1.3	1220 / 2100	11900	78	3.6	Same as above
	8	1.5	1220 / 2100	11900	78	3.4	Same as above
	10	1.7	1220 / 2100	11900	78	3.3	Same as above
	10	1.8	2100	11900	72	3	Same as above
	16	2.8	1220	11900	60	2.3	Same as above

Note: Thickness tolerance $\pm 5\%$, Length $\pm 1/8"$, Width $\pm 1/8"$.
Different lengths and colours available on bulk orders.

EXTRUDED PROFILED SHEETS

SUNLITE PC connectors and end caps are manufactured using high-quality raw materials for maximum durability. These accessories ensure secure installation, prevent sheet movement and improve waterproof performance at joint areas.

PC connectors help create a smooth, leak-resistant finish and enhance the strength of the entire glazing system, making installation easier and more reliable.





THANK YOU

At SUNLITE PLASTICS, we are committed to delivering durable, high performance polycarbonate products that help you build with confidence. Your support drives us to innovate, improve and serve better every day.

For enquiries or custom requirements,
Our team is always ready to assist.

SUNLITE PLASTICS
Built Strong. Built Sunlite.



SUNLITE PLASTICS



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