



Engineering Plastic

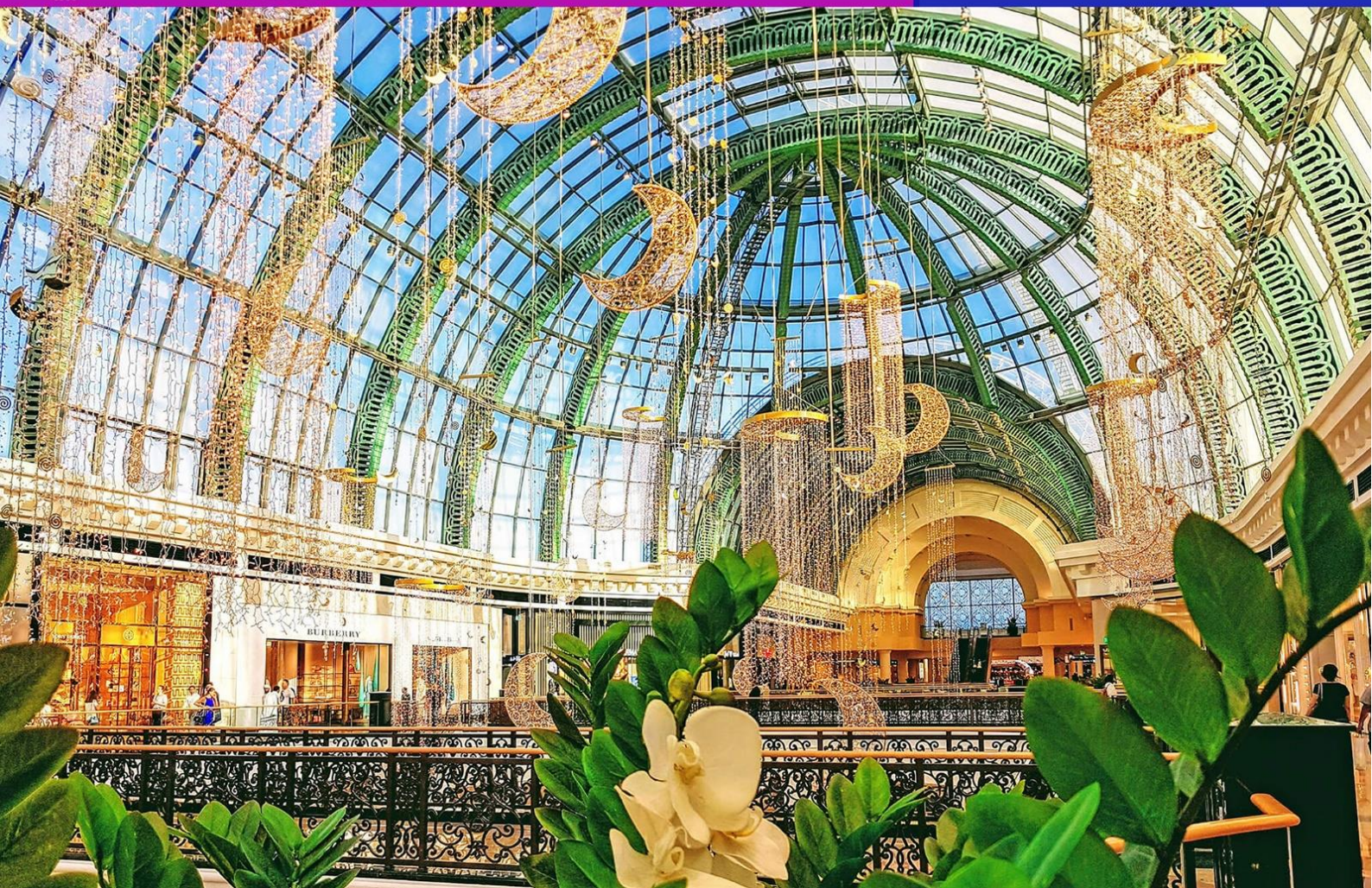


Machining Service



Application

ONE-STOP SUPPLIER OF ENGINEERING PLASTIC



# UVPLASTIC

Polycarbonate Roofing Panel (UVRPC)

[www.uvplastic.com](http://www.uvplastic.com)

[www.uvacrylic.com](http://www.uvacrylic.com)



# ABOUT UVPLASTIC

2003

Founding Time

165

Staffs

50+

Countries

1200+

Clients

12+

Millions

## WHO WE ARE

**UVPLASTIC Material Technology Co., Ltd** is a *ONE-STOP SUPPLIER* in the engineering plastic field, established in 2003 at Suzhou, China. After many years of continuous effort, we have one subsidiary and three trademarks ([UVPLASTIC](#), [UVACRYLIC](#), [VIEWSKY](#)), main business are:

1. Engineering Plastic: providing polycarbonate and acrylic in all forms;
2. Machining Service: providing the integrated machining solution for engineering plastic;
3. Application: we design and manufacture products based polycarbonate and acrylic, including [VIEWSKY Bubble Tent](#), [Geodesic Dome Tent](#), [Office Chair Mat](#), [Riot Shield](#), Mini-Greenhouse, etc.

Today, UVPLASTIC is active in architecture & construction, agriculture, medical industry, auto industry, security industry, electronic industry, POP display, optical industry, and industrial fabrication, etc.

## COOPERATION PARTNER



# WHY UVPLASTIC

## *One-Stop Supplier*



UVPLASTIC is a one-stop [supplier of polycarbonate](#) and [acrylic sheets](#) in all forms. Meantime, we offer the complete system for the greenhouse, building roof, and facade system.

## *Machining Service*



With more than 15 years of experience and high efficient working style, UVPLASTIC can build the prototype and will make customer's ideas come true within short time.

## *Design and Development*



With assistance from CAD, Solidworks, CATIA, and UG, UVPLASTIC works with global engineers to discuss product feasibility and find the best solution for the projects.

## *Design it and make it*



UVPLASTIC have designed some products based on polycarbonate and acrylic, such as VIEWSKY Bubble Tent, Geodesic Dome Tent for hotel, restaurant, glamping, and display application. The mini-greenhouse and office chair mat are popular all over the world.

## FEATURED PRODUCTS

### UVPLASTIC Polycarbonate

[Solid Polycarbonate Sheet](#);

[Anti-Static Polycarbonate](#);

[Polycarbonate Light Diffuser](#);

[Multi-wall Polycarbonate](#);

[Polycarbonate Film](#);

[Corrugated Polycarbonate](#);

[Polycarbonate Roofing Panel](#);

[Polycarbonate Facade](#);

### Machining Service

[Machining Polycarbonate](#);

[Custom Acrylic](#);

### UVACRYLIC Plexiglass:

[Clear Acrylic Sheet](#);

[Colored Acrylic Sheet](#);

[Acrylic Rod](#);

[Acrylic Tube](#);

[Acrylic Mirror](#);

[Acrylic Block](#);

[LGP Acrylic](#);

[Acrylic Film](#);

### Glamping Dome Tent

[VIEWSKY Bubble Tent](#);

[Geodesic Dome](#);

## Polycarbonate Roofing Panel

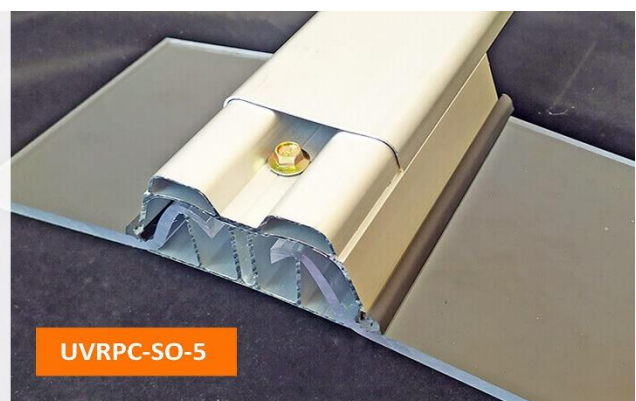
Polycarbonate Roofing Panel is one of the integrated roofing systems, which is safe, durability, excellent impact resistance, and easy to install, it is also called “polycarbonate roofing sheets”, which is the best roofing solution for a commercial building, industrial building, stadium, airport, railway station, skylight, greenhouse, walkway, carport, etc.

UVRPC Polycarbonate Roofing Panels offer a wide variety of color options, like clear, Bronze, Opal White, Green, Blue, etc. It offers different colors on different surfaces, such as Bronze on one side, Opal White on another side. Otherwise, it can offer a Bright Surface or a solar control function, which can block the infrared heat of sunshine, help to control the temperature in building, meantime, it keeps the great light transmittance of skylight roof for a more comfortable environment.

UVRPC Polycarbonate Roofing Panels are 100% leakage-proof and dustproof. With the excellent UV coating technology, UVPLASTIC coats the UV protective layer on one or two sides, therefore, the lifespan of Polycarbonate Roofing Panels is about 15 years.

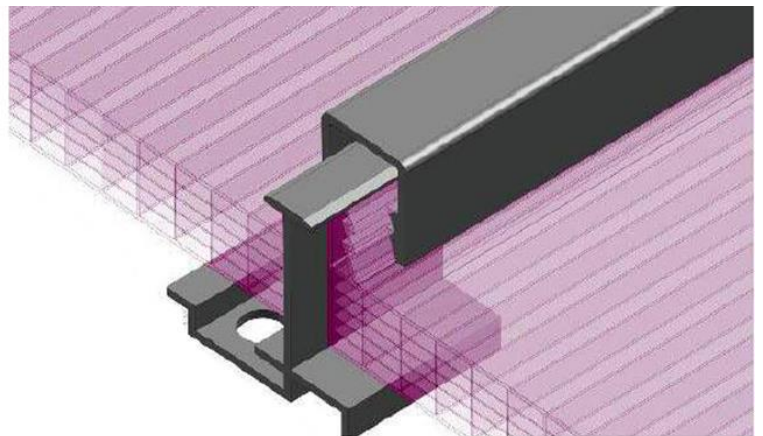
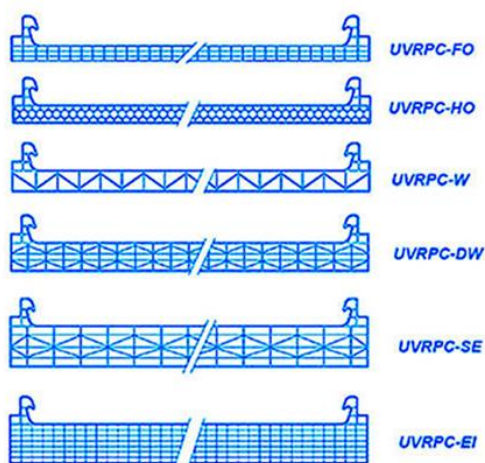
### Solid Polycarbonate Roofing Panel

Model	Thickness mm	Standard Width mm	Length mm	Weight Kg/sqm
UVRPC-SO-5	5mm	1050	Custom	6
UVRPC-SO-6	6mm	800	Custom	7.2



## Hollow Polycarbonate Roofing Panel

Item	Model	Thickness mm	Standard Width mm	Length mm
Four Wall Polycarbonate Roofing Panel	UVRPC-FO	6, 8, 10	600	Custom
Honeycomb Polycarbonate Roofing Panel	UVRPC-HO	8, 10, 12	600	Custom
W-Type Polycarbonate Roofing Panel	UVRPC-W	8, 10, 12, 16	700	Custom
Double W-Type Polycarbonate Roofing Panel	UVRPC-DW	12, 16, 18	800	Custom
Seven Wall Polycarbonate Roofing Panel	UVRPC-SE	16, 20, 25	1040	Custom
Eight Wall Polycarbonate Roofing Panel	UVRPC-EI	16, 20, 25, 30	1040	Custom



## PHYSICAL PROPERTIES

Physical Property	Testing Method	Unit	Value
Specific Gravity	D-792	g/cm <sup>3</sup>	1.2
Light transmittance	D-1003	%	>76
Heat deflection temperature (HDT)	D-648	°C	140
Service Temperature - Short term		°C	-50 to +120
Service Temperature - Long term		°C	-40 to +100

Impact falling dart	ISO 6603/1	J	40-400
Tensile Strength at Yield	D-638	Mpa or N/mm <sup>2</sup>	>60
Tensile Strength at Break	D-638	MPa or N/mm <sup>2</sup>	>65
Coefficient of Linear Thermal Expansion	D-696	mm/m °C	0.065
Thermal Conductivity	C-177	W/m K	0.21
Elongation at Break	D-638	%	>100
Tensile Modulus of Elasticity	D-638	MPa	2400
Flexural Strength	D-790	MPa	100
Practical thermal expansion/contraction		mm/m	3

## Main Benefits

- Integrated roofing systems, it is easy to install on-site;
- With the uniquely designed connective profiles, 100% leakage-proof and dustproof;
- UV coating layer can block 99.9% ultraviolet rays;
- Low thermal energy transfer with the insulation air space;
- A variety of standard colors are available;
- Withstands most extreme hot and cold climates between -40°C to 120 °C;
- High fire performance rating;
- Custom colors are available, subject to MOQ;

## AND MORE...



## CONTACT US

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