



ONE-STOP SUPPLIER OF ENGINEERING PLASTIC



Plastic Sheets



Plastic Finishes



Plastic Fabrication



UVACRYLIC

Acrylic Sheet (UVFA)

www.uvacrylic.com

www.uvplastic.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](#);

Acrylic Sheet (UVAC)

UVAC is the family code of UVACRYLIC Acrylic Sheets including uncoated acrylic sheets and coated acrylic sheets. They totally meet the existing standards including ISO 7823, the trade name is [Plexiglass Sheet](#). It offers excellent optical property, lightweight, good surface hardness, high stability, outstanding formability. UVAC Acrylic Sheet is the best material for display shelves, display case, and stand, LED sign, lighting fixture diffuser, building glass, decorative paneling, aquarium, acrylic shower wall, Acrylic container, and acrylic awards, etc.

UVACRYLIC is a leading [manufacturer of acrylic](#) in China, the annual production capability is over 12 thousand tons, and meantime, we provide the integrated machining service. Our all raw materials are from Mitsubishi and Lucite, with the strict quality management system, our all acrylic sheets are high-quality and environmentally-friendly. Today, we are honored to supply high-quality acrylic-based products and integrated machining service to more than 1200 clients from 40 countries.

Product Range

Acrylic Sheet

| Product Name | Model | Thickness/mm | Size/mm |
|--|-----------|---------------------|-----------------------------------|
| Extruded Clear Acrylic Sheet | UVAC-CL-E | From 1 mm to 20 mm. | 1220x2440, Custom Size |
| Cast Clear Acrylic Sheet | UVAC-CL-C | From 1.8mm to 50mm | 1220x2440, 2000x3000, Custom Size |
| Colored Acrylic Sheet | UVAC-CO | From 1.8mm to 50mm | 1220x2440, 2000x3000, Custom Size |
| Acrylic Diffuser Sheet | UVAC-DI | From 1mm to 50mm | 1220x2440 |
| Acrylic Block | UVAC-BL | From 51mm to 250mm | 1220x2440 |
| Acrylic Film | UVAC-T | 0.075mm | W= 1.25 m, L=1000 m |
| Light Guide Acrylic Plates | UVAC-LGP | 2mm, 3mm, 4mm, 6mm | 1220x2440 |

Acrylic Rod/Tubing

| Product Name | Model | Diameter/mm | Standard Length/mm |
|--------------------------------|-------|------------------------|-----------------------|
| Acrylic Rod | UVACR | From 2 mm to 400 mm | 2000mm, Custom Length |
| Acrylic Tubing | UVACT | From 2.5 mm to 1000 mm | 2000mm, Custom Length |

Coated Acrylic Sheet

| Product Name | Model | Thickness/mm | Size/mm |
|---|-----------|-----------------------------------|------------------------|
| Acrylic Mirror Sheet | UVAC-CL-E | From 1 mm to 20 mm | 1220x2440, Custom Size |
| Anti-Static Acrylic Sheet | UVAC-ESD | From 1 mm to 25 mm | 1220x2440 |
| Scratch Resistant Acrylic | UVAC-SR | From 1 mm to 25 mm | 1220x2440 |
| Non-Glare Acrylic Sheet | UVAC-NG | 0.8mm, 1mm, 2mm, 3mm, 4mm, 6mm | 1220x2440 |

Custom Acrylic

UVACRYLIC provide the integrated machining service for [custom acrylic](#), including custom box, custom display case, custom acrylic office supplies, acrylic dome, acrylic ball, custom acrylic hotel supplies, acrylic aquarium, acrylic machine guard, acrylic gift case.

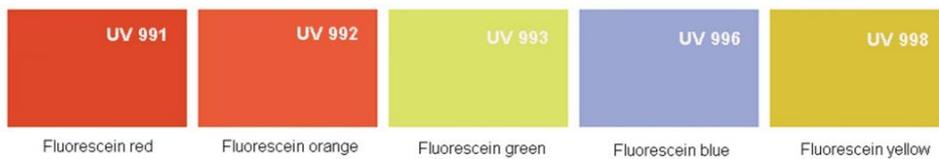
If you need acrylic-based products, just send email to info@uvplastic.com

Color Range

Transparent Colors



Transparent Colors with Fluorescence



Translucence Colors



Opaque Colors



Physical Properties

| Properties | Unit | Value |
|---|-------------------|--------------------|
| Density (clear acrylic) | g/cm ³ | 1.19 |
| Tensile Strength | Mpa | >70 |
| Modulus of elasticity in Tension | Mpa | >3000 |
| Tensile Strain | % | >4 |
| Flexural strength | Mpa | 100 to 115 |
| Charpy impact strength (unnotched) | kJ/m ² | >17 |
| Vicat softening temperature | °C | >105 |
| Dimensional change on heating (shrinkage) | % | <2.5 |
| Total luminous transmittance | % | >90 |
| Rockwell hardness | | 100 to 115 |
| Linear expansion coefficient | K ⁻¹ | 7x10 ⁻⁵ |

| | | |
|--------------------------------------|------|-----------|
| Temperature of deflection under load | °C | 95 to 100 |
| Light transmittance | % | >90 |
| Haze | % | 0.5 to 1 |
| Refractive index | 1.49 | |

Main Features

1. Safety

UVAC Acrylic Sheet offers 25 times impact resistance higher than glass. It will break into large pieces if it subject to a higher impact than limitation. Therefore, it is an ideal substitute for building safety glazing.

2. Excellent Weatherability

Uncoated Acrylic Sheet or PMMA sheet has outstanding weather ability than other plastic including polycarbonate sheets, although it offers good weather ability with UV protective layer, the cost will be higher.

It withstands exposure to sunshine, humid, sudden temperature changes, extreme cold, and other hard condition. Therefore, UVAC Acrylic Sheet is a suitable material for the dome for building skylight, outdoor signs, etc.

3. Light Weight

The density of 1.19cm³/g, it is the half weight of glass and 44% weight of aluminum. It helps to reduce the cost of support frames.

4. Rigid surface

UVAC Acrylic Sheet offers a more rigid surface than polycarbonate sheet, acetate, vinyl. The more rigid surface is available with the coating layer.

5. Heat Resistance

UVAC Acrylic Sheet or PMMA sheet can be used from -40°C to 93°C.

Application

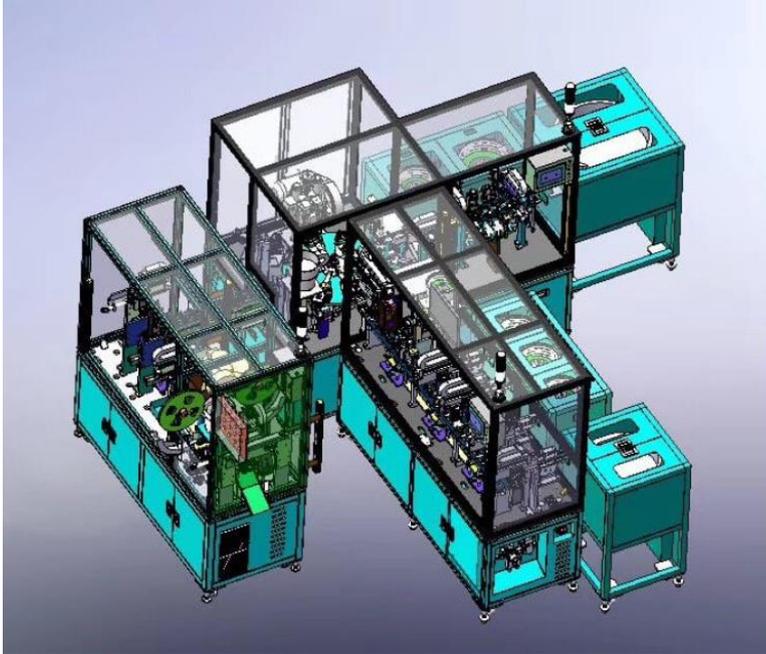
Acrylic Aquarium and Fish Tank



Noise Barrier



Acrylic Machine Guards



Acrylic POP Display



Acrylic Office Supplies



Acrylic Gift Case



Acrylic Display Case



Acrylic Dome



AND MORE...



CONTACT US

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