



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.

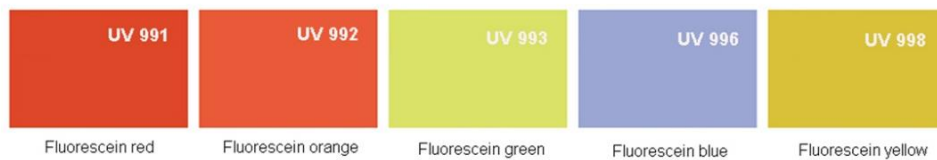
If you need acrylic-based products, just send email to info@uvplastic.com

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

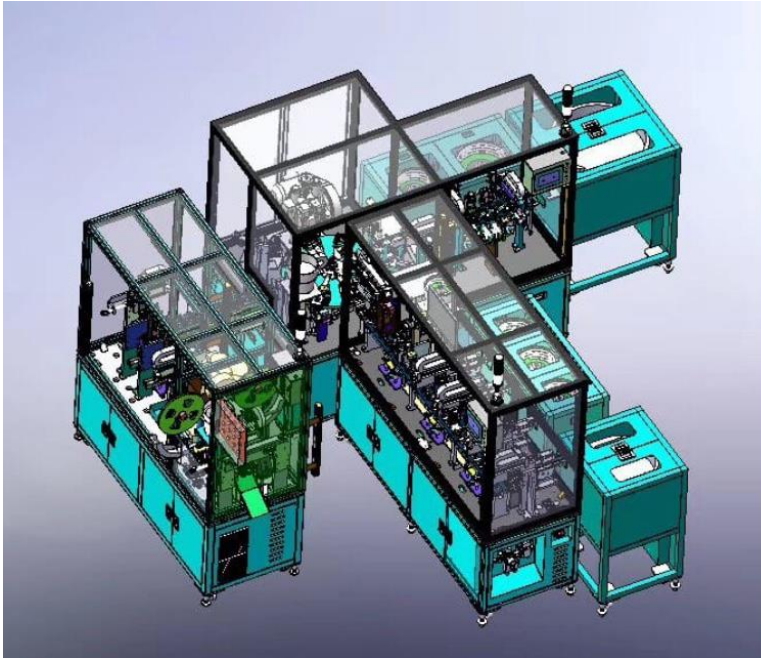
Acrylic Aquarium and Fish Tank



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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