



Engineering Plastic



Machining Service



Application

BEST ANTI-STATIC POLYCARBONATE YOU CAN FIND



# UVPLASTIC

ESD Polycarbonate Sheet (UVFPC-ESD)

[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.

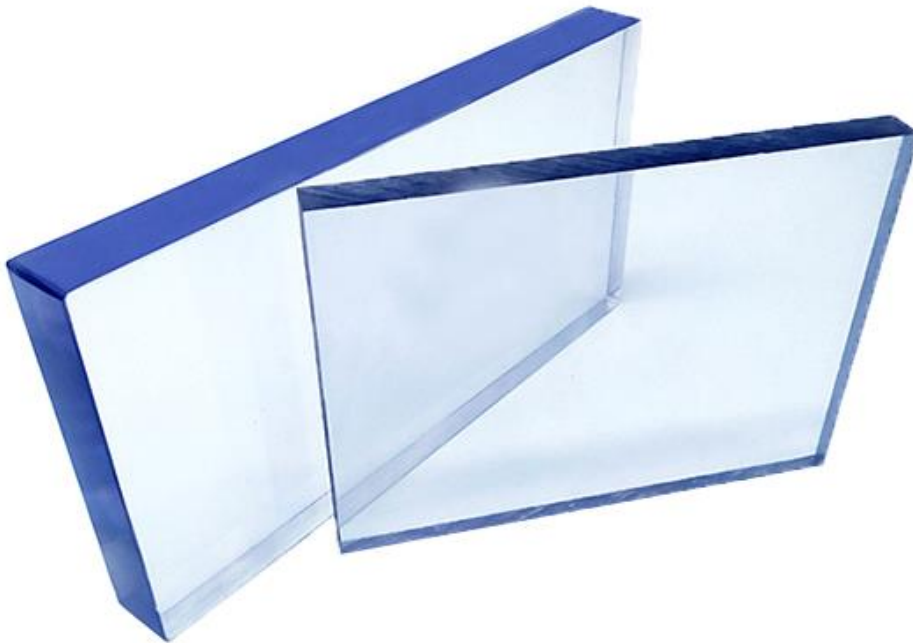
Today, UVPLASTIC is active in architecture & construction, agriculture, medical industry, auto industry, security industry, electronic industry, POP display, optical industry, and industrial fabrication, etc.

## COOPERATION PARTNER



## ESD/Anti-static Polycarbonate

UVFPC-ESD is the family code of UVPLASTIC™ anti-static polycarbonate sheets, which is coated with the electrostatic dissipative layer, and effective to prevent and control generating the static electricity on the surface of the polycarbonate sheet. Therefore, anti-static polycarbonate is also known as “electrostatic dissipative polycarbonate” or “[ESD polycarbonate](#)”. The electrostatic dissipative coating is compound by plastic and metal. Therefore, the anti-static polycarbonate sheet is not affected by weather, humidity, and fog. Meantime, it offers superior impact and chemical resistance. UVPLASTIC™ anti-static polycarbonate sheet is widely used in industrial areas, for example, the doors, windows, covers, and guards for the electronic equipment, assembly machines, instruments, conveyor line covers, transparent room partitions, process equipment, and automation equipment.



## Products Range

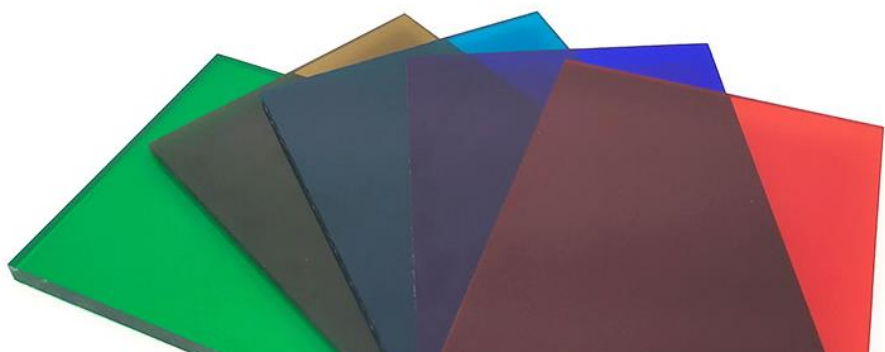
Model	Description	Surface Hardness
UVFPC-ESD-E	Using light-curing Technology, It is an economic Anti-static Polycarbonate Sheet, and Can't be bent.	HB
UVFPC-ESD-B (Bending Grade)	Using thermocuring technology, This Anti-static Polycarbonate Sheet can be bent to an angle.	2B

## Standard Size

Thickness (mm)	Standard Size (mm)
2mm, 3mm, 4mm, 5mm	1000x2000mm, 1020x2040mm, 1220x2440mm, 1250x2250mm, 2050x3050mm, Custom Size
6mm, 8mm, 10mm, 12mm	1000x2000mm, 1020x2040mm, 1220x2440mm, 1250x2250mm, Custom Size
15mm, 20mm	1000x2000mm, 1020x2040mm, 1220x2440mm, Custom Size
Custom Thickness	Custom Size

## Color Description

Type	Color Description
Transparent	Clear
Translucent	Brown, Bronze, Gary, Red, Blue, Green, Yellow



## Physical Properties

Physical Properties	Testing Method	Unit	Value
Model	/	/	UVFPC-ESD
Surface Resistance	ASTM D257-14	Ohm	From 10 <sup>6</sup> to 10 <sup>8</sup>
Specific Gravity	ASTM D-792	g/cm <sup>3</sup>	1.2
Coefficient of Linear Thermal Expansion	ASTM D-696	mm/m °C	0.065
Thermal Conductivity	ASTM C-177	W/m K	0.21
Tensile Strength at Yield	ASTM D-638	Mpa or N/mm <sup>2</sup>	>60
Tensile Strength at Break	ASTM D-638	MPa or N/mm <sup>2</sup>	>65
Elongation at Break	ASTM D-638	%	>100
Tensile Modulus of Elasticity	ASTM D-638	MPa	2400
Flexural Strength	ASTM D-790	MPa	100
Deflection Temperature (264 psi load)	ASTM D648	°F/°C	275/135
Vicat Softening Point	ASTM D1525	°F/°C	284/140
Flame Retardant Rate	UL94		V2 or V0
Maximum Continuous Service Temperature	—	°F/°C	190/87
Maximum Discontinuous Service Temperature	—	°F/°C	210/98



## CONTACT US

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