



ACRYLIC



SHANGHAI WEITA
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WEITA

CAST ACRYLIC SHEET

Catalogue

Signage /
Construction and Display




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Cast acrylic sheet



WHY CHOOSE US

-  **100%** virgin MMA of Mitsubishi or Lucite
-  **Superior OEM** factory
-  **Stable and reliable** supply and delivery
-  **Strict** quality assurance



REACH



ABOUT WEITA ACRYLIC

SHANGHAI WEITA INTERNATIONAL TRADING CO., LTD was founded in 2012.

As a member of Shanghai Chamber of Commerce for Import and Export, we engage in the field of selling chemical products and are one of the authorized agents of MITSUBISHI Chemical to sell MMA/MAA and other methyl-chemicals in China.

In order to strengthen the partnership, we will be committed to promoting cast acrylic sheets to global market by OEM on the basis of existing business, which are produced by excellent and experienced domestic enterprises and conform to world's standard.

We focus on high quality and view creating value for customers and an international brand as our own duty.

WEITA is looking forward to cooperating with you !



Cast acrylic sheet

GENERAL CAST ACRYLIC SHEET

It has good transparency, chemical stability, weather resistance and nice appearance, it is easily processed, which has been widely used in advertising light boxes, signs, hand-crafts and so on.

In order to remove the pungent smell that may be produced during the process of cutting, polishing and long-term storage in the warehouse, we develop this kind of humanized scented acrylic sheet to be more environment-friendly.



Transparent, Translucent & Opaque Sheet

COLOR	SIZE (mm)	THICKNESS (mm)
CLEAR LIGHT TRANSMITTANCE 93.6%	1230*1830	1.8-35
	1230*2430	
	1250*1850	
	1220*2440	
	1250*2450	
	1270*2470	
	1270*2450	
	1290*2510	
	1340*2560	
	1550*3050	
BLACK/RED/YELLOW/ GREEN/WHITE/PINK, etc.	1660*2660	
	2050*3050	
	2100*3100	
	1220*2440 (SINGLE / DOUBLE SCRUB)	
	1250*2450 (SINGLE / DOUBLE SCRUB)	
FROSTED	1270*2490 (SINGLE / DOUBLE SCRUB)	
	2050*3050 (SINGLE SCRUB)	

Special Conditions: other thickness, size can be produced to order but are subject to special conditions (min. Order quantities, production lead times and price surcharge)

Characteristics :

- Optical transparency
- High impact resistance
- Lighter than glass of the equivalent thickness
- UV-resistant
- Good thermal stability
- Low water absorption
- Easy to handle
- Broad thickness range
- Wide range of standard and special colours



Applications :

- Company signs
- Neon signs
- Shop fitting
- Displays
- Gift articles
- Furniture
- Social distancing protective guard
- Architecture & Infrastructure

Processing :

- Printing
- Sawing
- Drilling
- Laser
- Polishing
- Bonding
- Hot bending
- Thermoforming



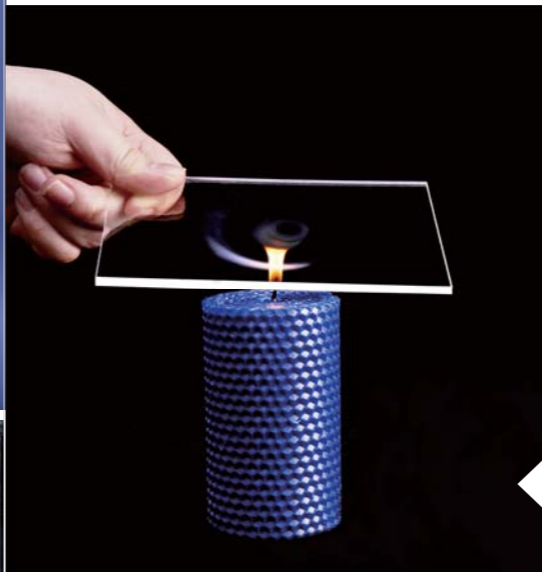
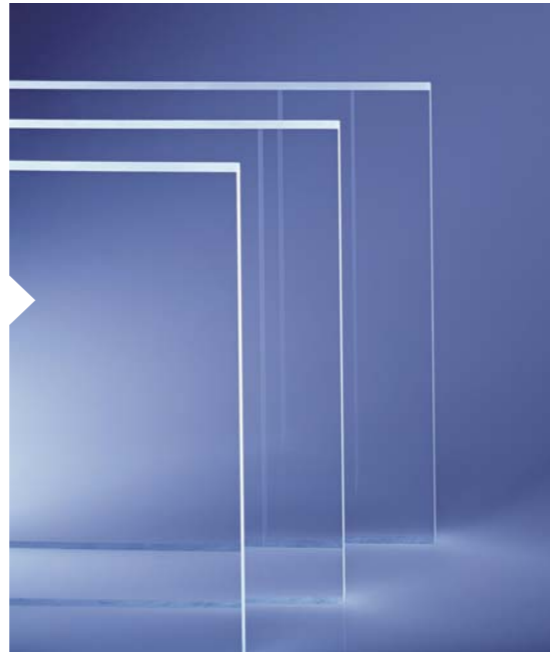


OPTICAL CAST ACRYLIC SHEET

Compared to counterparts of this industry, our products' light transmittance can be up to 96% and that is why Optical Grade Acrylic Sheet is the basic material of Light Guide Plate. Because of the high light transmittance and not yellowing in the daily use of 5 - 10 years, they can be widely used in indoor-outdoor advertising signs, swimming pools aquariums and other fields.

COLOR	SIZE (mm)	THICKNESS (mm)
CLEAR LIGHT TRANSMITTANCE 96%	1220*2440	2.0-20
	1250*2450	
	1230*2430	
	2050*3050	
	1550*3050	

Special Conditions: other thickness, size can be produced to order but are subject to special conditions (min. Order quantities, production lead times and price surcharge)



ANTI-FLAMING CAST ACRYLIC SHEET

It means non-combustible or much slower speed to flame, and goes out automatically when it is away from flame.

A new kind of environmental protection material that integrates both the advantages of Acrylic sheet and PC: excellent hardness, chemical and impact resistance, lightweight and easy to fabricate and install.

It is widely used in construction projects which require demanding firefighting level.

COLOR	SIZE (mm)	THICKNESS (mm)
As requested	1220*2440	2.0-20
	1250*2450	
	1230*2430	
	2050*3050	
	1550*3050	

Special Conditions: other thickness, size can be produced to order but are subject to special conditions (min. Order quantities, production lead times and price surcharge)



Cast acrylic sheet

ALLOCHROIC CAST ACRYLIC SHEET

It is a specially developed signage sheet which looks black by daylight and white when illuminated at night.

With the excellent transmittance and guaranteed high durability, it ensures an ideal performance for both indoor and outdoor signage from day to night.

COLOR	SIZE (mm)	THICKNESS (mm)
BLACK-WHITE	1220*2440	2.0-20
BLUE-WHITE	1250*2450	
RED-WHITE	1230*2430	
	2050*3050	
	1550*3050	

Special Conditions: other thickness, size can be produced to order but are subject to special conditions (min. Order quantities, production lead times and price surcharge)



LAYERED CASTING ACRYLIC SHEET

After being proportioned, the raw materials of not less than 2 colors are casted together in different layers successively. During the production process, glue will not be used for adhesion, so there will be no mark on our products. Our Layered Casting Acrylic Sheets can be widely used in medium and large indoor-outdoor advertising signs production, city show and other fields, which will endow your final products with vitality.

COLOR	SIZE (mm)	THICKNESS (mm)
As requested	1220*2440	15+5 18+6 24+5
	1250*2450	15+5 18+6 24+5

Special Conditions: other thickness, size can be produced to order but are subject to special conditions (min. Order quantities, production lead times and price surcharge)

THE PHYSICAL PROPERTIES OF ACRYLIC

ITEM	DATA
DENSITY	1.19-1.20
ROCKWELL HARDNESS	M-100
TENSILE STRENGTH	92-0 mpa
WATER (24HRS) ABSORPTION	0.3%
MODULUS OF ELASTICITY	28000-32000KG/CM2
ELONGATION AT BREAK	760KGS/CM2(RUPTURE BY PULL) 1050KGS/CM2(RUPTURE BY BEND)
VICAT SOFTENING TEMPERATURE	105°C
THERMAL FORMING TEMPERATURE	140-180°C
COEFFICIENT OF LINEAR THERMAL EXPANSION	6*10-5CM/CM/°C
DIELECTRIC STRENGTH	20KV/MM
REFRACTIVE INDEX	1.49
LIGHT TRANSMITTANCE	92.00%(PARALLEL RAYS) 93.60%(FULL RAYS)

RESISTANCE AGAINST CHEMICALS

CHEMICALS	REACTION
SULFURIC ACID (60%)	STABLE
HYDROCHLORIC (30%)	STABLE
NITRIC ACID (20%)	STABLE
ACETIC ACID	DISSOLVE
HYDROGEN FLUORIDE	NON-CORROSIVE
CAUSTIC SODA (50%)	STABLE
AMMONIA AQUA (18%)	STABLE
AMMONIA AQUA (28%)	STABLE
IODINE TINCTURE	EASY TO DYE
CHLORINE WATER	BECOME DARK



PROPERTIES COMPARISON BETWEEN PMMA AND OTHER MATERIALS

PROPERTIES \ PRODUCT	PMMA	PC	PS	PETG	ABS	PVC
RESISTANCE TO UV	★	○	×	○	×	×
RESISTANCE TO IMPACT	○	★	×	☆	★	☆
PROCESSABILITY	☆	×	★	×	●	☆
RESISTANCE TO CHEMICAL	☆	×	○	☆	○	☆
RESISTANCE TO SCRATCH	★	○	☆	○	×	×
OPTICAL PROPERTIES	★	○	○	○	×	×

CUTLINE: EXTRAORDINARY (★) GOOD(☆) BETTER (●) ORDINARY (○) BAD (×)



Cast
acrylic
sheet

CAST ACRYLIC SHEET FOR SANITARY WARES

Due to slow heat conduction, acrylic has a good warm-keeping effect. Even in cold winter, skin contact with an acrylic bathtub won't give people a sense of coldness. When bumping against an acrylic bathtub by accident, people usually won't feel an ache, which makes it an essential material for luxury bathtub. The good wear resistance of acrylic itself gives bathtubs a certain degree of self-recovery, which means if there are scratches on the surface, bathtubs can restore by itself. Furthermore, bathtubs made by acrylic are smooth, pure white, and easy to clean.



Characteristics:

- Easy to shape
- Good insulation performance
- Glossy surface
- Light weight

Applications:

- Bathtub
- Swimming pool
- Shower trays

Processing:

- Sawing
- Drilling
- Thermoforming
- Tempering



Cast acrylic sheet for
Sanitary wares



MATTE SHEET

COLOR	SIZE (mm)	THICKNESS (mm)
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WHITE/	1000*1700	2.0-50
BLACK/	1000*1900	
RED/	1050*2050	
GOLD/	1270*2470	
GRAY,etc	1400*2200	
	1660*1900	

SWIMMING POOL SHEET

COLOR	SIZE (mm)	THICKNESS (mm)
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WHITE-BLUE	2200*2200	3.5-4.5
WHITE-GRAY	2300*2300	
WHITE-BLACK	2520*2270	
	2540*2540	

SHEET FOR APRON BATHUB

COLOR	SIZE (mm)	THICKNESS (mm)
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WHITE/	950*2300	2.0-50
BLACK/	950*2510	
RED/	960*2500	
GOLD/	960*2700	
GRAY,etc	970*2810	
	1000*3000	

Speical Conditions:other thickness,size can be produced to order but are subject to special conditions (min.Order quantities,production lead times and price surcharge)

GENERAL SHEET

COLOR	SIZE (mm)	THICKNESS (mm)
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	910*1780	1100*1900	1300*2160	2.0-50
	940*1680	1120*1850	1300*2800	
	940*1880	1130*1800	1320*2640	
	960*1500	1130*1950	1370*1840	
	960*1780	1130*2230	1400*2200	
	960*1900	1140*1470	1480*1680	
WHITE /	960*1960	1140*1820	1500*1900	
BLACK /	1000*1570	1150*1950	1500*3000	
RED /	1000*1700	1150*2050	1550*2100	
GOLD /	1000*1900	1200*2000	1550*2460	
GRAY,etc	1020*1760	1230*2020	1600*1800	
	1030*1800	1230*2100	1630*1630	
	1030*1950	1250*1860	1630*1730	
	1050*1900	1250*1900	1650*1900	
	1050*2050	1250*2050	1680*1880	
	1060*1210	1260*2210	1700*2000	
	1060*1500	1270*2470	1760*2040	
	1070*1790	1280*1880	1760*2520	
	1080*2080	1300*1900	1780*1920	
	1100*1570	1300*2100	1800*1800	

Speical Conditions:other thickness,size can be produced to order but are subject to special conditions (min.Order quantities,production lead times and price surcharge)

