



Let acrylic sheet make the world better



Jinan Spring Sign Plastics Co.,Ltd



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About us



Jinan Spring Sign Plastics Co.,Ltd was founded in 2006 which located in the Spring City Jinan, China. We are leading manufacturer and trading combo for Cast Acrylic Sheet. Our company has adopted advanced German automatic production lines, imported British Pilkington glass mould, and precise quality inspection apparatus with virgin material MMA from Lucite and Mitsubishi. Until now our popular acrylic sheet types are clear, colors, frosted, pattern, mirror etc.

Spring Sign has been working hard in these ten years with a professional production team, our Acrylic Sheet fully accord with standard of ISO9001-2008 quality management system. Based on full experience exporting with more than 70 countries, our sales team hopes to provide you "high quality, moderate price and best communication" to help you make a bright business future.





Production process



Raw material MMA



High temperature
pre-polymerization



Cooling reaction



Cooling storage



Material adjusting



Vacuum filtration



Raw material injection



Hot water polymerization



High temperature treatment



Sheet out



Surface protection



Into warehouse

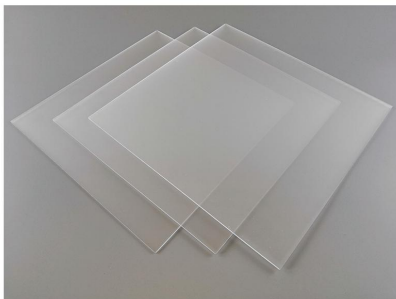
Acrylic category



➞ Clear acrylic sheet



Colorful acrylic sheet ➞



➞ Matte acrylic sheet



Mirror acrylic sheet ➞



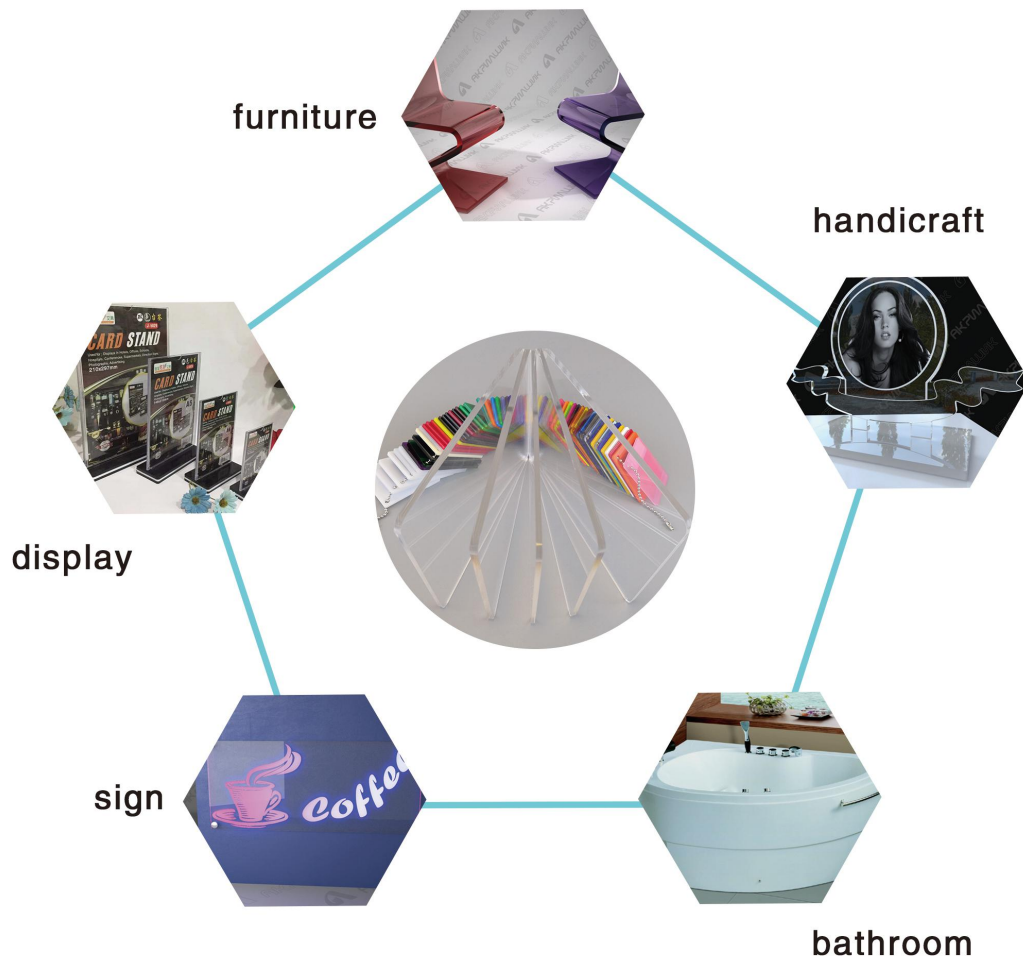
➞ Pattern acrylic sheet



Acrylic block ➞



Application



Acrylic sheet, with its moldable material, lightweight nature, and high impact resistance, combined with superior optical clarity, is used in a wide range of applications. Anywhere that a see through surface that is both strong and attractive is needed, acrylic sheet is the solution.

Specification

Jinan Spring Sign Plastics Co.,Ltd

Clear and color sheet 1.8mm-30mm		
Size (with edge)		Size (without edge)
1260*2460mm	1500*2100mm	1220*2440mm (4*8')
1250*1850mm	1600*2600mm	1220*1830mm (4*6')
1220*1820mm	1850*2450mm	2000*3000mm
1220*2420mm	2050*3050mm	
Frosted sheet(single and double sides) 1.8-20mm		
1260*2460mm		1220*2440mm (4*8')
Pattern sheet(marble, glitter) 2.5-12mm		
1250mm*2500mm		1220*2440mm (4*8')
Mirror acrylic sheet(silver, gold, different colors) 1-6mm		
1220*2440mm (4*8')		
1220*1830mm (4*6')		
1000*2000mm		



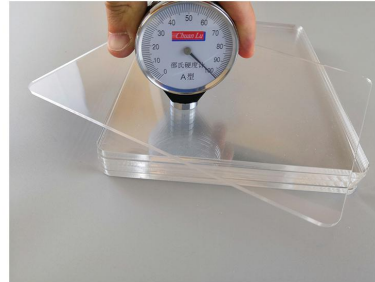


Physical Property of Cast Acrylic Sheet

ITEM	PROPERTY ITEM	UNIT	VALUE
MECHANICAL	Specific Gravity	—	1.19~1.2
	Thickness Tolerance	mm	+/-0.2
	Roswell Hardness	kg/cm ²	M-100
	Shear Strength	kg/cm ²	630
	Flexural Strength	kg/cm ²	1050
	Tensile Strength	kg/cm ²	760
	Compressive Strength	kg/cm ²	1260
ELECTRICAL	Dialectic Strength	Kv/mm	20
	Surface Resistivity	Ohm	> 10 ¹⁶
OPTICAL	Light Transmittance	%	93
	Refractive Index		None
THERMAL	Specific Heat	Cal/gr°C	0.35
	Hot Forming Temp	°C	140~180
	Hot Deformation Temp	°C	100
	Thermal Expansion Coefficient	Cm/cm/V	6 × 10 ⁻⁵
BENDING	Coefficient of Rupture	kg/cm ²	1.5
	Coefficient of Elasticity	kg/cm ²	28000
	Bending rate	—	1.49
MISCELLANEOUS	Water Absorption(24Hrs)	%	0.3
	Taste/Odor	%	None

Quality control

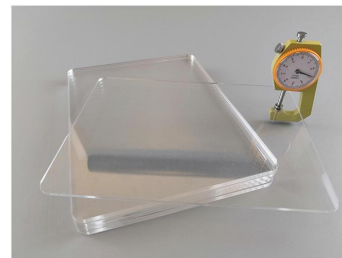
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Hardness

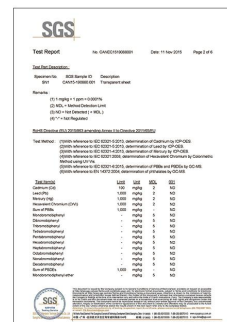
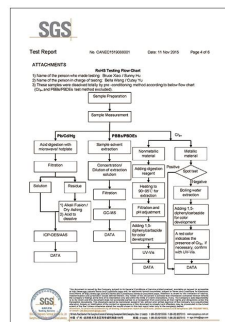
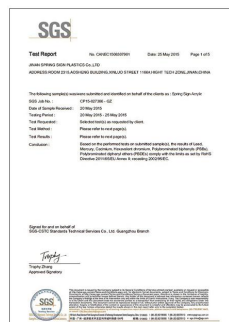


Transparency



Thickness

Certificate





Acrylic Virgin and recycle comparison

The comparison between virgin acrylic sheet and recycled acrylic sheet

Virgin material sheet	Recycled material sheet
Excellent UV resistance, at least 5 years not fade from yellowing.	Poor in anti UV, become yellowish easily, as well as fade and crack
Transparency more than 92%	Transparency less than 80%
Clear at section and keep original after fabrication	It turns yellowish at the section. Although the recycled acrylic with whitener it still becomes yellowish after a short term.
No bad smel	It becomes yellowish quickly after processing, comes out heavy smell and easy to crack
Good weather resistance	Bad weather resistance
Well protected by high quality packing or masking paper	Packaging and protective film or paper grade is poor

Ways of easy identification of the recycled acrylic sheet:

1. SEE, the appearance is yellow, especially from the section view.
2. TOUCH, the surface scratches easily.
3. SMELL, recycled acrylic sheet have bad smell strongly when in stock, bad smell when cutting, odor smell, bubble and black smoke when burning.
4. Hot forming process is easily deformed, bubbles.
5. Paint and ink sensitive, easy to crazing and cracking.
6. Easy to turn yellow after lighting.
7. Insoluble, easy to crack.



Packaging

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Paper masking



PE Protection



Edge trimmed



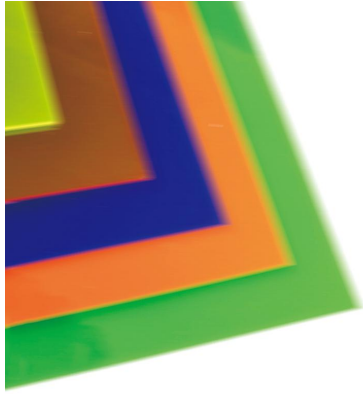
Pallet



Warehouse



loading



Spring Sign Acrylic

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