

CAST ACRYLIC SHEET

TECHNICAL DATA SHEET

Product Use: Light Advertising, Furniture, Trade-fair booth design, displays, decoration, etc...

Product Component: PMMA

Density: 1.2g/cm³

Introduction

Acrylic Sheet is made of PMMA. It has excellent light transmittance, higher mechanical strength. It is also light-weight, good weather resistance, corrosion resistance, good insulation properties, easily be processed. The board can be used for a certain strength requirements of the transparent structure, the cups, lamps, instrument parts, optical lenses, decorative gifts and so on. At present, the material widely used in advertising light box, signs, handicrafts, etc.

Features:

- 1.Excellent light transmittance.
- 2.High mechanical strength.
- 3.Weather proof.
- 4.Non-toxic and chemical resistant.
- 5.Easily be processed..

Mechanical Property:

Physical Property		Unit	Value
Optical	Light Transmittance	%	92
	Refractive Index	%	1.49
Thermal	The application of temperature	°C	-40~70
	Hot Forming Temp	°C	140~180
	Heat Distortion Temp	°C	87
	Coefficient Of Liner Thermal Expansion	1/°C	1.7*10 ⁻⁴
	Specific Heat	kJ/(kg. °C)	1.25~1.7
Mechanical	Specific Gravity(30/4)	g/cm ³	1.19~1.2
	Tensile Strength	mpa	62~75
	compressive Strength	mpa	130
	Impact Strength	kJ/m ²	12.1~12.8
	Rockwell Hardness		95

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Electrical	Surface Resistivity	Ω	1016
	20 Volume Resistivity	$\Omega.m$	1015
	Flammability	mm/min	33
Miscellaneous	Water Absorption(24Hrs)	%	0.3
	Odor		None

Technical Statement:

Customers may choose our product properly accordingly to the related stipulation and standard. We take liability of the technical data and performance of this page. And expect of this we do not undertake other legal duty. (This technical data of this page are all arithmetical average.)