



Technical Information

PMMA Sheet/Acrylic sheet/ Methacrylate Sheet

Ref: GB/T 1040.2-200

1. COMPOSITION AND PRESENTATION

The acrylic(PMMA/plexiglass/Perspex) sheet has superior tolerance control and is more cost-effective versus cast.PMMA sheet/ acrylic sheet is available with new thermoformable film-masking for easy processing and superior protection.Acrylic sheet can be heated,line-bent or laser-cut with strong protective film when masking in place.

Acrylic/PMMA/plexiglass/Perspex sheet is 17 times stronger than glass, it has excellent clarity, durability, is lightweight and weatherable. It can be sawed, routed, drilled, formed, line bent, cemented and painted.

. A transparent or other colors. At delivery time the presentation of the sheets is as follows:

- Normal size:1220X2440MM,but 2050X3050 custom size is available -Thickness:From 2-100mm
- Colour:Transparent,milk white,black or various color custom etc.
- On demand we can deliver strips or finished components.

2.PROPERTIES.

- High light transparency about 92% - Good stable and durable
- Good mechanical performance. - Superior impact resistance
- Strong plasticity can be easily shaped and processed

3.APPLICATIONS.

Acrylic sheet are widely used for engraving/advertisement sheets, instruments, parts of instrument, lamps, decorations, airplanes, automobile fittings, medical appliances, work of arts, insulation materials for electrical appliances, specimen, sign boards and various articles for light industry, culture, education and livelihood.

4. MAIN TECHNICAL CHARACTERISTICS

ITEMS	TEST METHOD	VALUES	
Specific Gravity	K7112	g/cm ³	1.19-1.20
Water absorption	K7209	%	0.30
Light transmittance	K7105	%	93
Refractive index	K7105	%	1.49
Tensile strength	K7113	Mpa	75
Rupture elongation	K7113	%	5
Bending strength	K7203	Mpa	120
Flexural modulus	K7203	Mpa	3400
Impact	K7111	KJ/m ²	19
Rockwell hardness	K7202	m	98
Softening Temp	K7206	°C	113
Heat distortion Temp	K7206	°C	98
Specific Heat	K7123	KJ/m ²	1.47
Coefficient of thermal conductivity	K1419	W/M°C	0.21
Coefficient of expansion	K6911	Cm/cm.°C	6.0-10-5