



## PRODUCT CAPABILITIES:

### STOCK SHAPES

- Sheet : 1.2m x 2.4m
- Thickness : 1.5mm to 50mm

## ADVANTAGES:

- Good Transparency
- Alternative to Polycarbonate (PC)
- Does Not Contain The Potentially Harmful Bisphenol-A Subunits Found In Polycarbonate
- Characteristics Include :  
· Durability, Consistent Quality, Clarity, Versatility, And Outstanding Performance.

## PRODUCT COLORS:

- Clear

## APPLICATIONS INCLUDE:

- Equipment / Machine Covers
- Used in Sign Industry (Signage)
- Commonly Used For Constructing Residential And Commercial Aquariums
- Fabricated Parts Requiring Optical Clarity
- Marine Components (Boat Windows, Fairs, Hatches)
- Furniture

GENERAL PROPERTIES	ASTM or UL Test	PMMA Typical Values
<b>PHYSICAL</b>		
Specific Gravity (g/cm <sup>3</sup> )	ISO 1183	1.19-1.20
Water Absorption, 24 hrs (%)	ISO 62	0.30
<b>MECHANICAL</b>		
Tensile Strength (MPa)	ISO 527	92
Tensile Elongation at Break (%)	ISO 527	—
Flexural Strength (MPa)	ISO 178	—
Flexural Modulus (MPa)	ISO 178	—
Impact Strength – Charpy (KJ.m <sup>-2</sup> )	ISO 179	—
IZOD Impact Strength (KJ.m <sup>-2</sup> )	ISO 180 / 1A	—
Rockwell Hardness, M	ISO 2039-2	M 100
<b>THERMAL</b>		
Coeff. of Thermal Expansion (x 10 <sup>-5</sup> cm/cm/°C)	ASTM D696	6
Vicat Softening Point (°F / °C)	D648	—
Flammability Rating	UL-94	—
<b>OPTICAL PROPERTIES</b>		
Light Transmission (%) (0mm)	ASTM D1003	92
Refractive Index	ISO 489 A	1.49

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.