MULFORD
DELIVERING SOLUTIONS

ASTARIGLAS® GP CAST ACRYLIC – CLEAR & OPAL

ASTARIGLAS® GP Cast Acrylic Sheet is a premium material made from 100% virgin MMA (Methyl Methacrylate) for outstanding clarity, strength, and weather resistance. Lighter and stronger than glass, it offers excellent rigidity, surface hardness, and optical quality. Easy to cut, drill, form, machine, and polish, it's ideal for both indoor and outdoor use. Resistant to most chemicals and temperature fluctuations from -40°C to +80°C, it maintains clarity and durability over time, making it perfect for signage, displays, glazing, and decorative applications.

KEY FEATURES

- Better impact strength than glass
- Lightweight
- Easily fabricated, thermoformed or polished
- Optical clarity
- High light transmission (clear colour)
- Chemical resistance to common acids
- Excellent weatherability & UV resistance

PRODUCT APPLICATIONS

- Exterior & interior signage
- POS displays
- Glazing & protective screens
- Display cabinets
- Brochure holders
- Marine windscreens
- Industrial, joinery & automotive parts

COLOURS

Clear

Opal

Coloured swatch may not represent physical product.

PROPERTIES

GENERAL	RESULTS
Weight (3mm)	3.57kg/m^2
Relative Density (ISO 1183)	1.19g/cm^3
Gauge Tolerance (ASTARI TDS)	+/- 0.4mm
Light Transmission (Clear colour)	92%
Cleaning: Warm soapy water & soft cloth	
MECHANICAL	
Tensile Strength (ISO 527)	70Mpa
Flexural Strength (ISO 178)	116Mpa
THERMAL	
Service Temperature	80°C
Vicat Softening Temp (ISO 306A)	>110°C
Co-Efficient (ASTM D696)	x $10^{-5}.K^{-1}$
Flammability (AS/NZS 3837:1)	Group 4

PRODUCT RANGE

COLOUR	GAUGE	SIZE
Clear 000	2-50mm	2440x1220mm
	3mm	2440x1530mm
	3mm 4.5mm 6mm 10mm	2490x1880mm 3050x2050mm
Opal 445	2-30mm	2440x1220mm
	3mm 4.5mm 6mm	2490x1880mm 3050x2050mm
	10mm	3050x2050mm
Opal 442	3mm 6mm	2440x1220mm
Opal 441, 433, 434, 442 & cut to size available upon request (Conditions apply)		