



## ASTARIGLAS® LED ACRYLIC

**ASTARIGLAS® LED Acrylic** is engineered specifically for LED lighting applications. With superior light transmission, high optical clarity and excellent edge illumination, it delivers bright and uniform lighting effects without hotspots or distortion. Its solid thickness and outstanding weatherability makes it perfect for channel letters and illuminated signage that demand both durability and visual impact. Designed for long-lasting brilliance, **ASTARIGLAS® LED Acrylic** brings your lighting designs to life with efficiency and style.

### KEY FEATURES

- No LED hot spots
- Better impact strength than glass
- Easily fabricated, thermoformed or polished
- High surface hardness
- Optimum light diffusion
- Chemical resistance to common acids
- Excellent weatherability

### PRODUCT APPLICATIONS

- Channel letters
- Exterior & interior signage
- POS displays
- Commercial & retail fit-outs
- Lighting displays

### COLOURS



Coloured swatch may not represent physical product.

### PROPERTIES

GENERAL	RESULTS
Weight (3mm)	3.57kg/m <sup>2</sup>
Density (ISO 1183)	1.19g/cm <sup>3</sup>
Water Absorption (ISO 62)	0.3%
Cleaning: Warm soapy water & soft cloth	
MECHANICAL	
Tensile Strength (ISO 527)	70Mpa
Flexural Strength (ISO 178)	110Mpa
THERMAL	
Vicat Softening Temp (ISO 306)	≈105°C
Coefficient of Thermal Expansion (ISO 11359)	0.07 mm/m/°C
Thermal Conductivity (ISO 8302)	0.19 W/m·K

### PRODUCT RANGE

COLOUR	GAUGE	SIZE
LED Opal	3mm	2440x1220mm 3050x2050mm
	4.5mm	2440x1220mm
	10mm	
	25mm	
	30mm	
Colours	3mm	
Cut to size available upon request		

