

DONCHAMP® LUCENT LED EDGELITE

DONCHAMP® Lucent LED EdgeLite Sheet is a premium edge-lighting acrylic engineered to optimise LED illumination by maximising light transmission and internal reflection. Designed specifically for LED edge-lit panels, the material carries light efficiently through the sheet and emits it evenly when used with laser-etched, engraved or printed diffusion patterns. Offering exceptional optical clarity, durability and fabrication performance, **DONCHAMP® Lucent LED EdgeLite** is ideal for slim illuminated panels, architectural features and high-performance signage.

KEY FEATURES

- Excellent edge light performance
- Good surface hardness & lightweight
- Better impact strength than glass
- Easy to etch, engrave, cut & polish
- Chemical resistance to common acids
- Excellent weatherability & UV resistance

PRODUCT APPLICATIONS

- Slimline Illuminated signage
- LED edge-lit displays
- Architectural feature lighting
- Retail fit-out & shelving
- Wayfinding
- Etched/engraved signage

COLOURS



Coloured swatch may not represent physical product.

PROPERTIES

GENERAL	RESULTS
Weight	5.31kg/m ²
Density	1.18g/cm ³
Refractive Index (D542)	1.49
Cleaning: Warm soapy water & soft cloth	
MECHANICAL	
Tensile Strength (D538)	60-70Mpa
Flexural Strength (D7901)	90-110Mpa
THERMAL	
Service Temperature Range	-30-80°C
Vicat Softening Temp (D1525)	~100°C
Heat Deflection Temp (D648)	~95°C
Co-Efficient of Thermal Expansion (ASTM D696)	7 x 10 ⁻⁵

PRODUCT RANGE

COLOUR	GAUGE	SIZE
Clear	3mm	2430x1220mm
Cut to size available upon request		

