

ZENOLEX® V-0 POLYCARBONATE

ZENOLEX® V-0 Polycarbonate is a high performance, flame retardant sheet designed for applications where safety and durability cannot be compromised. Offering superior impact resistance, this material maintains excellent clarity while delivering certified UL94 V-0 fire performance. Lightweight, versatile and built to last, it provides dependable performance in the most demanding environments.

KEY FEATURES

- Flame retardant sheet
- Up to approximately 250 times the impact strength of glass
- UV protection both sides & weather-resistant
- Good clarity & resists yellowing
- Thermoformable & easily fabricated
- Lightweight yet rigid

PRODUCT APPLICATIONS

- Overhead & security glazing
- Skylights
- Machine guards
- Sound barriers
- Exterior & interior signage

COLOURS



Coloured swatch may not represent physical product.

PROPERTIES

PRODUCT RANGE

GENERAL		RESULTS
Weight (3mm)		3.6kg/m ²
Density (ISO 1183)		1.2-1.22g/cm ³
Water Absorption (24H)		0.15-0.2%
Cleaning: Warm soapy water & soft cloth		
MECHANICAL		
Tensile Strength		60-70MPa
Flexural Strength		85-100MPa
THERMAL		
Max Continuous Service Temp		110-120°C
Vicat Softening Temperature		145-150°C
Co-Efficient of Thermal Expansion		6.5x10 ⁻⁵ /°C
Heat Deflection Temperature		120-130°C
Thermal Conductivity (W/m·K)		0.19-0.22

COLOUR	GAUGE	SIZE
Clear	3mm	2440x1220mm
Opal	4.5mm	2440x1830mm
Cut to size available upon request		

