

## 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

GENERAL	RESULTS
Weight (3mm)	3.6kg/m <sup>2</sup>
Density (ISO 1183)	1.2-1.22g/cm <sup>3</sup>
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 <sup>-5</sup> /°C
Heat Deflection Temperature	120-130°C
Thermal Conductivity (W/m·K)	0.19-0.22

### PRODUCT RANGE

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

