

# LEXAN® ROLLS POLYCARBONATE

**LEXAN® Rolls Polycarbonate** provides the flexibility with length as well as the usual characteristics of strength, clarity and impact resistant of Polycarbonate. Lightweight and stronger than glass, these rolls are ideal for glazing, protective barriers, signage, machine guards and architectural applications. Available in 4.5mm thick, **LEXAN® Rolls Polycarbonate** can be cut, formed and fabricated with ease.

## KEY FEATURES

- Length flexibility (up to 90m)
- Impact resistant & lightweight
- UV protection & weather-resistant
- Excellent clarity & resists yellowing
- Thermoformable & easily fabricated
- High chemical & abrasion resistant

## PRODUCT APPLICATIONS

- Protective glazing
- Security glazing
- Machine guards
- Safety shields
- Signage & display

## COLOURS



Coloured swatch may not represent physical product.

## PROPERTIES

GENERAL	RESULTS
Weight	5.4kg/m <sup>2</sup>
Density	1.2g/cm <sup>3</sup>
Water Absorption (24hrs)	0.15-0.2%
Moisture Absorption (Saturation)	0.5-0.6%
Cleaning: Warm soapy water & soft cloth	
MECHANICAL	
Tensile Strength	55-65MPa
Flexural Strength	85-100MPa
THERMAL	
Continuous Service Temperature	-40-115°C
Vicat Softening Temperature	147-150°C
Co-Efficient of Thermal Expansion	6.5x10 <sup>-5</sup> /°C
Heat Deflection Temperature	125-135°C
Thermal Conductivity (W/m-K)	0.19-0.22

## PRODUCT RANGE

COLOUR	GAUGE	SIZE
Clear SGC308 Matte	4.5mm	2540mm Wide
Length up to 90m		

