



# LEXAN® MR10 POLYCARBONATE

**LEXAN® MR10 Polycarbonate** sheet delivers the ultimate blend of clarity, strength and durability for high-traffic, high-impact glazing and protective applications. Designed with a premium Polycarbonate core and finished both sides with a tough MARGARD® II hard-coat, MR is built to stand up to abrasion, vandalism, UV exposure and daily wear – While maintaining glass-like transparency.

## KEY FEATURES

- Outstanding impact strength
- Resistance to breakage compared to glass
- Hard-coated surface & lightweight
- UV protection both sides & 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 covers

## COLOURS



Coloured swatch may not represent physical product.

## PROPERTIES

GENERAL	RESULTS
Weight (3mm)	3.6kg/m <sup>2</sup>
Density	1.2g/cm <sup>3</sup>
Light Transmission (D1003)	86–89%
Haze (D1003)	<1%
Cleaning: Warm soapy water & soft cloth	
MECHANICAL	
Tensile Strength at Yield (D638)	60–65MPa
Flexural Strength (D790)	90–100MPa
THERMAL	
Max Continuous Service Temp	115–120°C
Vicat Softening Temperature	148–152°C
Co-Efficient of Thermal Expansion (D696)	6.5x10 <sup>-5</sup> /°C
Heat Deflection Temperature (D648)	128–132°C
Operating Temperature Range	–40–120°C

## PRODUCT RANGE

COLOUR	GAUGE	SIZE
Clear	3mm	2440x1220mm
	6mm	2440x1220mm
	9.5mm	2440x1830mm
	12.7mm	2440x1830mm
Cut to size available upon request		

