

UltraLite®UV2 Solid Polycarbonate Sheet

UltraLite® UV2 sheets are made from clear-transparent Makrolon polycarbonate Resin With UV protection on both sides. They are the perfect choice for a long service life owing to their good weathering resistance. These attributes are backed up by our 10 year limited manufacturing guarantee on weathering resistance and a 10-year guarantee on retaining their mechanical properties.

Colors: Clear, White, Bronze, S.Grey, Blue, Green(For other colors upon request subject to MOQ)

Thickness: Available in thicknesses of 1–15 mm

Available Sizes are: UltraLite® UV2 According to thickness available sizes are as following.

(Other sizes are available on request and also according to transportation facility.)

For over than 4.0 mm thickness 1220 X 2440 mm, 3050 X 2050mm, 2050 X 1500mm

For 4.0 mm thickness 2050 X 6100mm, 1220 X 6100mm

Up to 3.0 mm thickness 1220 X 30500 mm, 2050 X 30500 mm (100 feet long rolls), 1220 X 2440 mm

Application: UltraLite® UV2 is ideal for outdoor applications:

- covered walk ways and bus shelters, signboards
- barrel vaults and skylights

Technical data

Property	Test conditions	Typical	Unit	Test Method
Physical				
Density		1.2	kg/cm ³	ISO 1183-1
Moisture absorption	23°C/50%RH(equilibrium)	0.12	%	ISO 62
Moisture absorption	Water at23°C(Saturation)	0.30	%	ISO 62
Refractive Index		1.58	-	ISO 489
Mechanical				
Tensile Modulus	1mm/min	2350	MPa	ISO 527-1,-2
Yield stress	50mm/min	65	MPa	ISO 527-1,-2
Yield strain	50mm/min	6.3	%	ISO 527-1,-2
Nominal strain at break	50mm/min	>50	%	ISO 527-1,-2
Flexural Modulus	2mm/min	2350	MPa	ISO 178
Flexural strength	2mm/min	96	MPa	ISO 178
Charpy impact strength	23°C, unnotched	No break	KJ/m ²	ISO 179-1eu
Charpy impact strength	23°C, 3 mm,notched	80P	KJ/m ²	ISO 179-1eu
Izod impact strength	23°C,3 mm, notched	70P	KJ/m ²	ISO 180-A
Thermal				
Vicat softening temperature	50N,50°C/h	148	°C	ISO 306
Thermal conductivity	23°C	0.20	W/(m.K)	ISO 8302
Coefficient of linear thermal expansion	23-55°C	0.65	10 ⁻⁴ /K	ISO 11359-1,-2
Temperature of deflection under load	1.8 Mpa	128	°C	ISO75-1,-2
Temperature of deflection under load	0.45 Mpa	141	°C	ISO75-1,-2
At 3.0 mm thickness Fire rating		V2		UL 94

*The mechanical properties were measured on sheets of 4mm or 3mm thickness.

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UltraLite® UV2 Controlled copy-R1 (January 2021)

UltraLite® UV2 solid
Polycarbonate sheets
Silent, Safe, Sustainable

Make in India

Advantages:

Extreme Impact strength

Virtually unbreakable

Good fire rating

Thermoformable

Good Light

transmission

ISI approved

Both side UV

Coated



Recyclable



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