

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/cm3	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

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

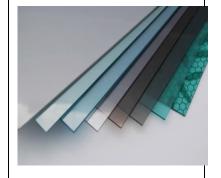


Recyclable



Contact details:

Email: quality.sheet@saraswati-group.com
Saraswati Plastotech India
Pvt. Ltd
Lane4, Phase1, SIDCO
Industrial Complex,
Bari Brahmana,
Jammu181133
www.saraswatiplastotech.com



Product Liability Clause: This information and our technical advice whether verbal, in writing or by way of trials are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided especially that contained in our safety data and technical information sheets—and to test products as to their suitability for the intended processes and uses. The application, use and process in go for products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery

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