

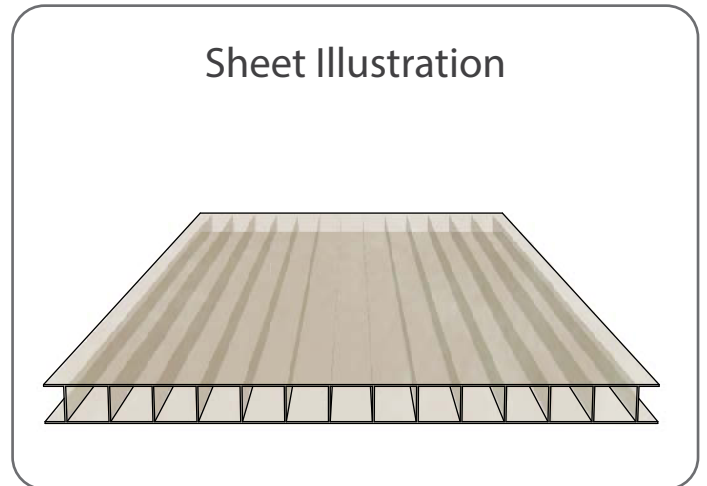
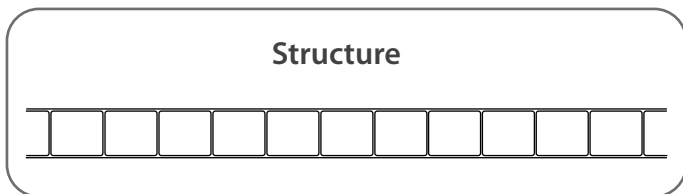
SUNLITE®

Polycarbonate Multiwall Sheet

Type: Twin-Wall 10mm Lite

Overview

SUNLITE's polycarbonate reinforced structure yields a strong yet lightweight sheet with high impact strength and considerable thermal insulation. These benefits, combined with its high light transmission, make SUNLITE ideal for varied architectural roofing and glazing, as well as high-end agricultural greenhouse covering.



Typical Physical Properties

Property	Units	Value
Overall thickness	mm	10
Area weight	kg/ m ²	1.5
Standard widths*	m	0.60, 0.98, 1.05, 1.20, 1.22, 2.10
Standard lengths*	m	6.0, 7.0
Light transmission	Clear	% 68
	Opal WD	% 45
	Bronze	% 25
U-value (Ug)	Watt/m ² ·°K	2.1
Min. cold bending radius	m	2.8
Service temperature	Short term	°C -40 to 120
	Long term	°C -40 to 100
Practical thermal expansion/contraction range	mm/m	3
Coefficient of linear thermal expansion	mm/m °C	0.065
Flammability		Available upon demand

* Non-standard options are available upon request.

Tolerances

Width dimension		0 to +4 mm
	< 3 m	0 to +5 mm
Length dimension	3-5 m	0 to +7 mm
	> 5 m	0 to +10 mm
Weight		±5% of nominal weight
Light transmission		±4% of specified LT

Installation

SUNLITE installations must accommodate thermal expansion on both end and side interfaces, nominally 3mm per meter. For more information please refer to the SUNLITE technical guide.



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