



# SUNLITE® Plus

Multiwall Polycarbonate Sheet with Anti-Condensation



AGRICULTURE

CONSTRUCTION



## Overview

SUNLITE Plus combines high light transmission, excellent weather resistance and a special anti-drip feature needed for plant growth or humid public areas such as swimming pools.

The tough multiwall polycarbonate structure and low weight reduce the cost of the supporting structure. Shatterproof polycarbonate coupled with integrated UV resistant co-extruded layer yields long service periods backed up by a 10 year limited warranty.

SUNLITE Plus provides an optimal cultivation environment for agricultural greenhouses. The sheet blocks ultraviolet rays that burn plants and living tissues while transmitting high percentage of natural daylight.

## Main Benefits

- Built-in condensation control
- Eliminates the harmful effects of dripping
- More light transmission during cold periods
- Transparent - Up to 80% light transmission
- Co-extruded UV protection on one or both sides
- Blocks out UV radiation
- High thermal insulation
- Impact resistant - Virtually unbreakable
- Lightweight
- Easy to work with and install



## Typical Applications

- Greenhouses
- Garden centers
- Swimming pools



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## Product Availability\*

<b>Colors</b>	Clear, White Opal, Solar Control*, Solar Ice*
<b>UV Protection</b>	SUNLITE Plus: UV protection on one side SUNLITE Plus UV2: UV protection on both sides
<b>Width</b>	980, 1050, 1220, 1250, 1830, 2100 mm
<b>Length</b>	2000 - 12000 mm
<b>Structures</b>	See table below

\*Other specifications are available subject to a minimum order quantity.  
Other available structures and thicknesses are listed in the SUNLITE leaflet.

## Structures

Structures	Light Transmission (Clear)	U Value (W/m <sup>2</sup> K)	Drawing
Twin Wall 6mm	80%	3.5	
Twin Wall 8mm	80%	3.3	
Twin Wall 10mm	79%	3.0	
Triple Wall 8mm	77%	3.0	
Triple Wall 10mm	77%	2.7	
Triple Wall 16mm	76%	2.3	

## Installation

Installation instructions for greenhouses appear in the "SUNLITE Plus Installation Instructions for Greenhouses" brochure, which is available on Palram's global website ([www.palram.com](http://www.palram.com)). For more information on handling, installation and accessories please contact your Palram distributor.

## Typical Physical Properties

Property	Method	Condition	Units	Value
Density	D-1505		g/cm <sup>3</sup>	1.2
Heat deflection temperature (HDT)	D-648	Load: 1.82 MP	°C	135
Service Temperature - Short term			°C	-50 to +120
Service Temperature - Long term			°C	-50 to +100
Coefficient of linear thermal expansion	D-696		mm/m °C	0.065
Tensile strength at yield	D-638	10 mm/min	MPa	62
Elongation at break	D-638	10 mm/min	%	>80
Impact falling dart	ISO 6603/1		J	40-400
Thermal expansion/contraction rate			mm/m	3

\*ASTM except where noted otherwise.

## Flammability

SUNLITE Plus sheets are self-extinguishing and comply with the most demanding of international fire resistance standards defined in the field of plastics, as indicated by representative results in the attached table.

Method	Classification*
EN 13501	B, s1, d0
BS 476/7	Class 1
DIN 4102	B-1
NSP 92501	M-1, M-2
ASTM D-635	CC-1 (SUNLITE® SL)
ASTM E-84	Class A

\*Classifications depend on sheet type and thickness. For more information please refer to your SUNLITE distributor.



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