

# THERMAGLAS SLT [60/55]

Formerly marketed as SolarSmart D60/55

## Multi-Wall PC with SolarSmart™ Heat Reflective Technology

ThermaGlas SLT 60/55 is part of Palram's SolarSmart™ family of products. SolarSmart products are designed to selectively transmit or screen certain wavelengths of solar radiation in order to achieve benefits for specific environments or applications.

### ► Overview

ThermaGlas SLT 60/55 is engineered for use on enclosures where plants must thrive, and where people must feel comfortable. Examples of such environments include retail garden centers and commercial greenhouse holding facilities.

ThermaGlas SLT is designed to **reflect heat** from the sun (IR radiation) **with less shading** so that transmission of visible light remains high. The result is high quality light with less stress-inducing heat from the sun.

ThermaGlas SLT polycarbonate sheets offer all the benefits of polycarbonate glazing, such as high impact resistance, excellent durability, and 99.9% UV blocking.

### ► Features at a Glance

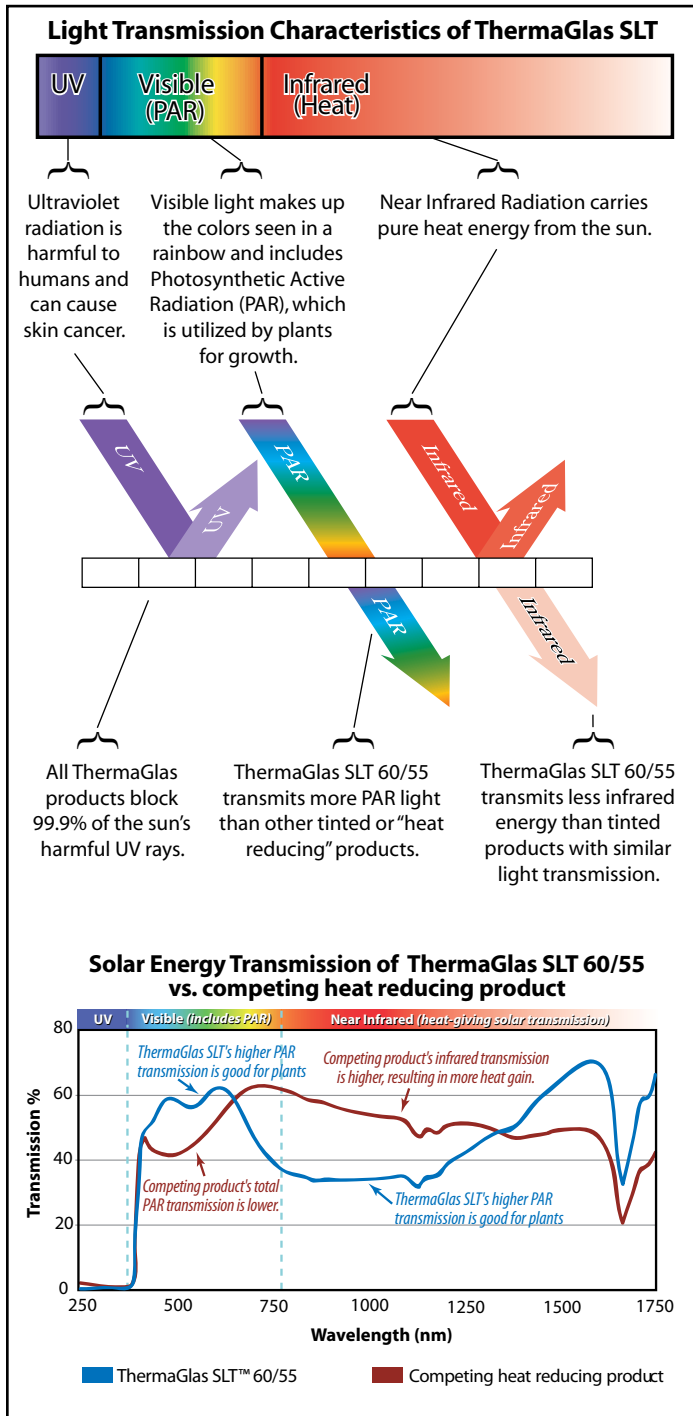
- Reduces heat from the sun while transmitting valuable PAR light for plant growth
- Reduces shade requirement by selectively reflecting the sun's heat-giving solar radiation
- Irrigation and growth regulator requirements are reduced, as well as related labor costs
- Better light quality and added heat reduction than competing "cool light" type products
- SolarSmart resins are stable and won't fade or become ineffective over time
- Built-in condensate control
- High light diffusion and reduced heat provides a more comfortable environment for retail customers and greenhouse laborers

**Note:** This product was formerly marketed as SolarSmart D60/55



## Illustration of Benefits

The solar spectrum bands can be measured by their wavelength. Every band of radiation has its specific effects on living tissues.



**Note:** This product was formerly marketed as SolarSmart D6055.

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## Table of Typical Properties

See the *ThermaGlas Technical and Installation Guide* for additional specifications and details.

<b>Heat Distortion Temperature</b> (264 p.s.i.)	275 °F		
<b>Thermal Expansion</b> Delta T @ 104 °F	0.03 in./ft.		
Solar Transmission (ASTM E424-71)	55%		
<b>Light Transmission</b> (ASTM D1003)	60%		
<b>U-Value</b> (Winter Night) Btu/(h·ft <sup>2</sup> ·°F)	0.58		
<b>Solar Reflectance</b>	0.29		
<b>Shading Coefficient</b>	0.65		
<b>Solar Heat Gain Coefficient</b>	0.56		
<b>Flammability Ratings (USA)</b>			
ASTM D-635	CC1		
ASTM E-84-00	Class A		
<b>Service Temperature Range</b>	-40 °F to +250 °F		
<b>Other Properties</b>			
Twin-Wall Profile 	Sheet Thickness	Weight	Minimum Radius for Cold Bending
	8mm	1500 g/m <sup>2</sup>	1.4m
	5/16"	.31 lb/sf	55"
	Standard Widths	Optional Widths*	Standard Length <sup>†</sup>
	1219mm, 1829mm	1200mm, 1810mm	731.5cm
	48", 72"	47.25", 71.25"	24'

\* Minimum purchase requirements may apply.

<sup>†</sup> Lengths up to 48' are available with minimum purchase requirements. Installed lengths are recommended to be 24' or less.

## Flammability

ThermaGlas sheets are essentially self-extinguishing and comply with the most demanding of international resistance standards defined in the field of plastics, as indicated by the representative results in the table below.

Country	Test Method	Classification
United States	ASTM D-635	CC-1
United States	ASTM E-84-00	Class A
United Kingdom	BS 476/7	Class 1
Germany	DIN 4102	B-1

## Installation

For detailed installation information, consult our ThermaGlas Technical and Installation Guide (Form #3201).

Authorized Dealer