



PALSUN® CS

Coil Stock Polycarbonate Sheet

Overview

PALSUN CS Coil Stock Polycarbonate Sheet provides customers flexibility and yield advantages because sheets can be cut at any desired length, right off the coil. PALSUN CS is fabrication-friendly with significantly more impact strength than acrylic, hi-impact acrylic and copolymer substrates. Its durability minimizes breakage during fabrication, shipping and installation, even in low temperature extremes.

PALSUN CS is available in clear and white. Thicknesses range from 3mm (.118") – 4.5mm (.177"), and a variety of widths up to 104" untrimmed. Custom colors are available.



High impact resistance—virtually unbreakable



Clear: high clarity and high light transmission



Sign white: excellent whiteness and superb light diffusion



Widest service temperature range of any plastic substrate



Versatile, formable, and machinable



Superior vacuum definition in thermoforming applications



Excellent UV and chemical resistance



10-Year warranty against yellowing and breakage (see warranty for details)

Typical Applications

- Backlit and illuminated signage
- Channel letters
- LED sign faces
- Digital or screen printed signs
- P-O-P displays
- Exhibits
- Literature holders
- Merchandise racks and stands
- Light fixtures (white opal, diffused, or embossed sheets)
- Thermoformed, vacuum formed, bent, and fabricated items



PALSUN® Product Range

All products shown are flat solid polycarbonate sheet.

Product	Description
PALSUN® Basic™	UV stabilized general purpose polycarbonate sheet
PALSUN® UV1	Co-extruded UV protection on one side for exterior applications
PALSUN® UV2	Co-extruded UV protection on both sides for exterior applications
PALSUN® Embossed*	Embossed surface (E102, prismatic, hair cell)
PALSUN® FR*	Fire retardant, with higher fire resistant rating
PALSUN® Matte*	Matte finish on one side
PALSUN® SG White	High diffusion for sign grade applications
PALSUN® CS	Coil stock on rolls (<i>Clear and SG White standard</i>)
PALSUN® Foam	Flat foamed polycarbonate sheet, UV protected on one side
PALSUN® Solar Control*	Efficient heat-blocking with metallic appearance
PALSUN® Smart*	See-through sheet with advanced heat-blocking
PALSUN® Basic FR†	Fire retardant, with elevated Relative Thermal Index (RTI) values.
PALSUN® OG	Optical grade sheet
PALGARD®	Abrasion resistant on one or both sides
PALGARD® TG	Transportation grade (<i>meets specific transportation codes</i>)
PALSHIELD™	Containment and bullet resistant glazing
PALSUN® IR	Clear, Anti-fog, Shade 3 & Shade 5 polycarbonate for face shields

* With co-extruded UV protection on one or both sides.

† Available in 2mm and 2.36mm for applications without direct UV exposure.

PALSUN CS Colors

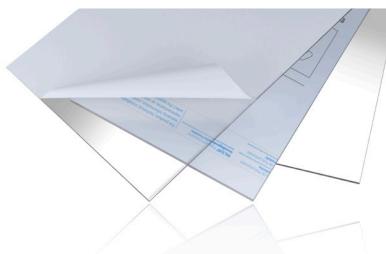
Palsun CS coil stock is available in Clear and Sign White. Custom colors are available upon request with minimum order requirements.

10-Year Limited Warranty

Clear Palsun CS is available with a 10 year warranty against yellowing and breakage. See Palsun UV Series Limited Warranty for details at: palram.com/us/palsun

Protective Masking

Depending on product selected, clear, white or printed plastic masking protects Palsun sheet during storage and transportation. Masking must be removed from both sides immediately after installation.



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Inasmuch as Palram Americas has no control over the use (and/or installation method) to which others may put this material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make their own test to determine the suitability of the material for their own particular use. In the event of a warranty claim for product failure, Palram Americas reserves the right to inspect any or all of the sheets involved and the installation site itself while the sheets are still in their original position and have not been removed or moved or altered in any way.

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Regulatory Code Compliance Certification

The information listed below is product-specific.

Organization	Standard	Classification
UL	SAM File #E336663	Rigid Sign Face Material
UL	UL972	Pass
Miami Dade County	Florida Building Code (FBC)	Approved Plastic
ANSI	Z97.1-09	Impact and Weathering
	Z87.1-15	(Impact and Optical)*
ICC	IBC Section 2606.4	Light Trans. Plastic
	IBC Section 803.1	Interior Finish
CCMC	NBC 2015 (Canopy Covering)	Compliant (CCMC Eval. Rep. 13450-R)
PALSUN® UV SERIES		
Flammability Related Compliance Certifications		
FMVSS	302	Pass
UL	UL 94 - File E221255	V-2**
	D-635	CC1 (AEB <1")
ASTM	E-84	Class A***
	D-2843	Smoke Density <75
FAA	FAR 25.853(a)	Pass****
ASTM	D-2863-87	L.O.I. = 30
UL	UL 94 - File E221255	V-0
PALSUN® WITH FR		
AU	1530.3-1982	Ignitability Index = 9 Spread of Flame Index = 8 Heat Evolved Index = 10 Smoke Developed Index = 8

*.040" only

** 314" and thicker gauges = V0

*** 1.5mm thru 3mm Palsun Basic only

****.060" only

Standard Dimensions

Thickness Inches (mm)	Weight (lbs/sf)	Width	Length (Linear Feet)
0.118 (3mm)	0.74	41", 55", 67", 78"	600
0.118 (3mm)	0.74	104" untrimmed	500
0.150 (3.8mm)	0.94	41", 55", 67", 78"	500
0.150 (3.8mm)	0.94	104" untrimmed	400
0.177 (4.5mm)	1.11	41", 55", 67", 78"	450
0.177 (4.5mm)	1.11	104" untrimmed	350

*Other dimensions are available with a special order, subject to minimum quantity.

Physical Properties

For detailed information on PALSUN® physical properties please visit: palram.com/us/palsun

