



SUNOPAK™

Corrugated Modified Polycarbonate Sheet



Overview

SUNOPAK opaque corrugated polycarbonate sheet is ideal for lightweight roofing applications. It combines strength, low weight, flexibility, and a wide service temperature range.

SUNOPAK is extremely easy to install in maintain and is ideal for DIY applications. It can also be used for various roofing, cladding, and siding applications.

Main Benefits

- Impact resistant: virtually unbreakable
- Weather and UV Resistant
- Wide service temperature range
- UV protected
- Lightweight
- Good flammability rating: does not emit toxic gasses when burning
- Easy to work with and install

Typical Applications

- Carports
- Pergolas
- Storage Sheds
- Fencing and partitions
- Canopies
- Awnings

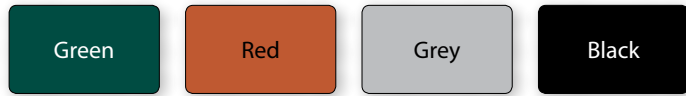


www.palram.com



Colors

SUNOPAK is offered in 4 opaque colors: Green, Red, Gray, Black.



Standard Dimensions

Profile	Drawing	Thickness mm	Width mm	Length mm
Iron 76/18		0.8 - 1.0	1260, 900, 860	1500 - 6500
Greca 76/18		0.8 - 1.0	1260, 1150, 1076, 1040, 810, 660	1500 - 6500
Greca 70 / 18		0.8 - 1.0	1095	1500 - 6500

Surface Finishes

SUNOPAK is offered with Hair-Cell finish on one side as standard.

Profile Dimensions (SUNOPAK™ 76/18 Greca)

Width mm	Thickness mm	Length m	Cover mm	Corrugation	Side Lap %
1260	0.85-0.9	1.5-11.6	1140	17	9.5

Load/Span Data

Load Kg/m ²	Maximum purlin span at 5% slope mm	Maximum purlin span at 10% slope mm
50	1000	1100
75	900	1000
100	800	900
125	700	800

Typical Physical Properties

Property	Method*	Conditions	Units	Value
Density	D-792		g/cm ³	1,2
Heat deflection temperature (H.D.T)	D-648	Load: 1.82 MPa	°C	135
Service Temperature Range (Short term)			°C	-40 to +120
Service Temperature Range (Long term)			°C	-40 to +100
Coefficient of linear thermal expansion	D-696		cm/cm°C	6.5 x 10 ⁻⁵
Thermal conductivity	C-177		W/m K	0.21
Tensile strength at yield	D-638	10 mm/min	MPa	62
Tensile strength at break	D-638	1 mm/min	MPa	65
Elongation at yield	D-638	10 mm/min	%	6
Elongation at break	D-638	10 mm/min	%	>70
Tensile modulus of elasticity	D-638	1 mm/min	MPa	2,300
Flexural strength mechanical	D-790	1 mm/min	MPa	93
Flexural modulus	D-790	1.3 mm/min	MPa	1,890
Impact falling weight	(ISO 6603/1 E50)	0.8 mm sheet	J	50
Rockwell hardness	D-785		R Scale	118

* ASTM method except where noted otherwise.

UV Blocking and Resistance

SUNOPAK completely shield against harmful ultraviolet rays and withstands its detrimental effects.



PALRAM H.Q.
Tel: +972 4 8459900
Fax: +972 4 8444980
palram@palram.com

PALRAM EUROPE LTD.
Tel: +44 1302 380777
Fax: +44 1302 380778
sales.europe@palram.com

PALRAM AMERICAS
Tel: 610 2859918
Fax: 610 2859928
palramamericas@palram.com



61267 - 02.2014

In as much as Palram Industries has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any Palram Industries patent covering such use or as recommendations for use of such materials in the infringement of any patent. Palram Industries or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our company policy of continual product development you are advised to check with your local Palram Industries supplier to ensure that you have obtained the most up to date information.

