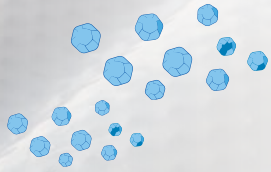


# SUNTUF® BH

Embossed Corrugated Polycarbonate Sheet



Special technology  
for **better hail resistance**  
with unique solar colors  
only from Palram



## Main Benefits

- UV Protection -
- Hail resistance - 50% more than regular corrugated sheet
- 100% diffused light
- High wind and snow load resistance
- Extended warranty





## Typical Applications

- Pergolas and gazebos
- Patio enclosures
- Sunrooms
- Carports
- Covered walkways
- Canopies and overhangs

## Product Availability

<b>Colors</b>	Clear, Bronze, Solar Ice, Solar Control
<b>Textures</b>	Prismatic-honeycomb
<b>Thickness</b>	2.8 mm
<b>Width</b>	1045 mm

<b>Profile</b>	<b>Drawing</b>
76/18 Iron/Sinus	

## Flammability

SUNTUF® BH has a low flammability rating and does not emit toxic gasses when burning.

Standard	*Classification
AS/NZS 1530.3	Approved
EN13501	d0 ,B, s1
5 ,4 ,92501 NFP	1-M
4102 DIN	1-B
723 UL	47.0 ,4.7
Los Angeles Building Code	(2603 Section) CC2
9176 ,9177 UNI	2 Class

\* For additional information please contact your Palram distributor.

## Typical Physical Properties

Property	Method* Conditions	Units	Value
Density	D-792	g/cm <sup>3</sup>	1,2
Heat deflection temperature (H.D.T)	D-648 Load: 1.82 MPa	°C	135
Service Temperature Range (Short term)		°C	-50 to +120
Service Temperature Range (Long term)		°C	-50 to +100
Coefficient of linear thermal expansion	D-696	cm/cm°C	6.5 x 10 <sup>-5</sup>
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) 2.8 mm sheet	J	75
Rockwell hardness	D-785	R Scale	118
Light transmission	D-1003 Clear sheet	%	90%
Haze	D-1003 Clear sheet	%	<0.5
Yellowness index	D-1003 Clear sheet	YI	<1

\* ASTM method except where noted otherwise

## Load / Span Data

Load (kg/m <sup>2</sup> )	Maximum Roof Span (mm) 2.8 mm Thickness
50	1400
75	1300
100	1200
125	1175
150	1150
175	1125
200	1100



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