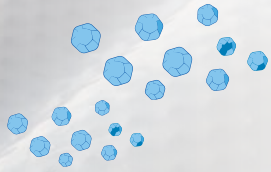


SUNTUF® BH

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

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

Profile	Drawing
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 ³	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 ⁻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)	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 ²)	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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