

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 complies with the most demanding international fire resistance standards in the field of plastics, as indicated in the detailed table herein. The classification is subject to product type, thickness and color.

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

* For more detailed 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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