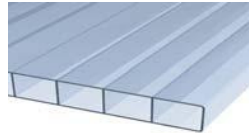


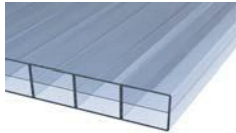
PoliCarb®

10 year Warranty

Multiple-Wall coextruded polycarbonate sheets



thickness 4-4.5-6-8-10(mm)
2-wall



thickness 10-16-20-25(mm)
3-wall



thickness 6-8-10 (mm)
4-wall

The external side of PoliCarb is protected with a coextruded layer warranting resistance to aging due to atmospheric agents and U.V. rays. Panels are available with a Anti-Fog Condensation Control coating that will ensure greenhouse condensation is carried away from the roofing so that droplets will not damage your nursery stock. Call for more information and availability.

PRODUCTION STANDARDS

Thickness (mm)	4	4.5	6	8	10	10	16	20	25	6	8	10
Thickness (in)	5/32	3/16	1/4	5/16	3/8	3/8	5/8	3/4	1"	1/4	5/16	3/8
Structure	2 LAYERS				3 LAYERS				4 LAYERS			
Width (ft)	USA made product available in 47.25", 48", 71.25" & 72" widths (Call for special cutting options); Italian made product sold in 82.68" width											
Length (ft)	Made in USA Products: Limited to Transportation Requirements											
Weight (lb/ft ²)	0.164	0.205	0.266	0.307	0.348	0.430	0.553	0.650	0.665	0.286	0.317	0.358
R-Factor	1.471	1.471	1.639	1.724	1.923	2.128	2.500	2.632	2.941	1.887	2.083	2.273
U-Factor	0.68	0.68	0.61	0.58	0.52	0.47	0.40	0.38	0.34	0.53	0.48	0.44

Light transmission %

Clear	85	84	80	81	82	74	74	75	72	79	79	79
Bronze	57	57	51	65	65	41	37	35	35			
Opal	58	58	57	57	57	52	52	52	35	50	50	50
Opal 30%			30	30	30	30	30	30				
Reflecto					48		48		38			
Blue			53	53	48		45					
Green			54	54	54		42					

Solar factor %

Clear	83	82	80	82	82	75	75	77	78	81	81	72
Bronze	66	66	66	70	75	57	57	57				50
Opal	66	66	66	65	64	62	63	63	51	51	51	45
Opal 30%			47	47	46	45	44	43				
Reflecto					45		45		45			40
Blue			66	70	70		65					
Green			66	70	70		60					

Shading coefficient (SC)

Clear	0.95	0.94	0.91	0.94	0.94	0.86	0.86	0.88	0.75	0.93	0.93	0.78
Bronze	0.76	0.76	0.76	0.80	0.86	0.65	0.65	0.65				0.57
Opal	0.76	0.76	0.76	0.75	0.74	0.71	0.72	0.72	0.58	0.58	0.58	0.52
Opal 30%			0.54	0.54	0.53	0.52	0.50	0.49				
Reflecto					0.52		0.52		0.52			0.46
Blue			0.76	0.80	0.80		0.74					
Green			0.76	0.80	0.80		0.69					

Thermal Expansion

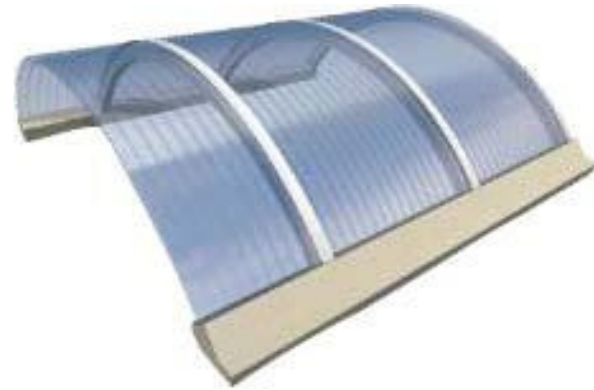
Allow 1/8" per 3' per 100° temperature differential for both length and width for Clear and Opal panels; 1/4" per 4' for Bronze panels.

Fire reaction

On Request ASTM E84-01 (Flame Spread & Smoke Developed): CLASS 'A' for 6, 8, 10, & 16mm

SHEET COLD BENDING

PoliCarb® can easily be used to build integral arc structures since its' fluted construction increases the rigidity of the sheet allowing bending along the ribs.



It is recommended not to go under the bending radius of the following chart.

Thickness (mm)	Thickness (in)	Min. radius of curvature (in)
4.5	3/16	29.52
6	1/4	41.34
8	5/16	55.12
10	3/8	68.90
10-3L	3/8	78.74
16	5/8	137.79
8-4L	5/16	62.99
10-4L	3/8	78.74

ACCESSORIES

PoliCarb®

PoliCarb® sheets can be complimented with a complete series of accessories that help the products adapt to a wide variety of uses.



PROFILES "H" U.V. PROTECTED*

4-6 mm thickness
cod. 1162/6000

8-10 mm thickness
cod. 1164/6000

16 mm thickness
cod. 1165/6000



PROFILES "U"*

4-6 mm thickness
cod. 1158/2100

8-10 mm thickness
cod. 1160/2100

16 mm thickness
cod. 1161/2100-2184/2100



PROFILES "F" U.V. PROTECTED*

8-10 mm thickness
cod. 2193/6000

16 mm thickness
cod. 2194/6000

1" aluminum washer with gasket also available cod. 4269



PROFILES "R" U.V. PROTECTED*

8-10 mm thickness
cod. 2191/6000

16 mm thickness
cod. 2192/6000

*The length is 288" for all profile accessories.

USER GUIDE INFORMATION



Remove adhesive film protection after installation



Apply aluminum adhesive tape



Do not store stacked sheets in direct sunlight or rain



Clean with water and neutral soap only.



Use suitable silicone.



Anticipate thermal expansion