

## **7 LAYER DIAMOND STRUCTURE POLYCARBONATE HOLLOW SHEET**

### **7-Layer Diamond Structure Polycarbonate Hollow Sheet**



#### **Packaging & Delivery**

Packaging Details: Inner Packing: pearl cotton (inner) Air Bubble Film Outer Packing, wooden/carton by customers

#### **Specifications**

1. 100% virgin material.
2. UV protection on one side.
3. 10 years guarantee.
4. High impact strength.

**FOR OTHER MEASURE THAT YOU CAN'T FIND IN THE CATALOGUE, PLEASE FEEL FREE TO CONTACT US!!**

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### Production Application

1. Commercial Greenhouses, Home Greenhouses, Office Partitions, Vertical Glazing.
2. Industrial Roofing, Pool Enclosures, Patio Covering, Window Replacement, Domes.
3. Daylighting.
4. Shelters, Canopies, Sheds, Walkways, Carports, Sunrooms

### Product Specification

Product Name		PC Hollow Sheet/Polycarbonate Hollow Sheet/PC Seven-Layer Sheet/Polycarbonate Seven-Layer Sheet/Daylighting/Polycarbonate Roofing/PC Roofing
Profile Structure	Seven-Layer Diamond Structure	2100*6000
Standard Size	Width*Length(mm)	
Non-standard Size	Non-standard Width(mm)	700/980/1000/1050/1980/2000/Any Width within 2100mm
	Non-standard Length(mm)	Any Length over 760/Need Cut again within 760mm
Color	Normal Color	Transparent/Clear/Opal/Blue/Green/Green-Blue/Bronze/Brown/Smoky-grey
	Specific Color	Translucent/Adiabatic Silvery/Red/Yellow/Black/Diffuse White/other Color of Diffuse Plane/All Color of Glittering

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Packaging Method	Small Size	One Sheet≤3m <sup>2</sup>	PE Film Both Sides/Pallet
	Large Size	Standard Size Sheet	PE Film Both Side/Tape-sealing

Typical Physical Properties

Thickness	Standard Weight	Rib-Distance	Heat Transfer Coefficient	UV-Protection layer	UV-transmission	Clear Color Light Transmission	Opal Color Light Transmission	Coefficient of Thermal Expansion
mm	Kg/m <sup>2</sup>	mm	W/m <sup>2</sup> K	um	%	%	%	10 <sup>-5</sup> /°C
25	3.6	20	1.41	>50	0	57	20-38%	6.5
30	3.8	20	1.38	>50	0	53	20-35%	6.5
32	4	20	1.32	>50	0	52	20-35%	6.5
35	4.5	20	1.26	>50	0	52	20-35%	6.5
40	5	20	1.19	>50	0	50	20-35%	6.5

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### **Advantages:**

1. Light transmission: Good light transmission, resistance to aging.
2. Weather Resistance: The co-extruded UV coating on the surface of the sheets can protect from the damage of ultraviolet radiation.
3. Impact Resistance: The shock strength of PC sheet is 250-300 times of that of ordinary glass, 20-30 times of PMMA.
4. Fire Retardant: Pass the test of China's National Standard GB8624-97. Belong to B1 level fire retardant, cause neither fire drop nor poisonous gas.
5. Temperature Resistance: Temperature between -40 to +120 cause no effect on the quality of the sheet. Stable physical nature.
6. Light Weight: Light weight, convenient to transportation and installation. Can be cold bent directly. Have good performance of heat forming.
7. Sound Insulation: Good sound insulation. First choice for materials of insulation protective screen in highways in China and abroad.

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