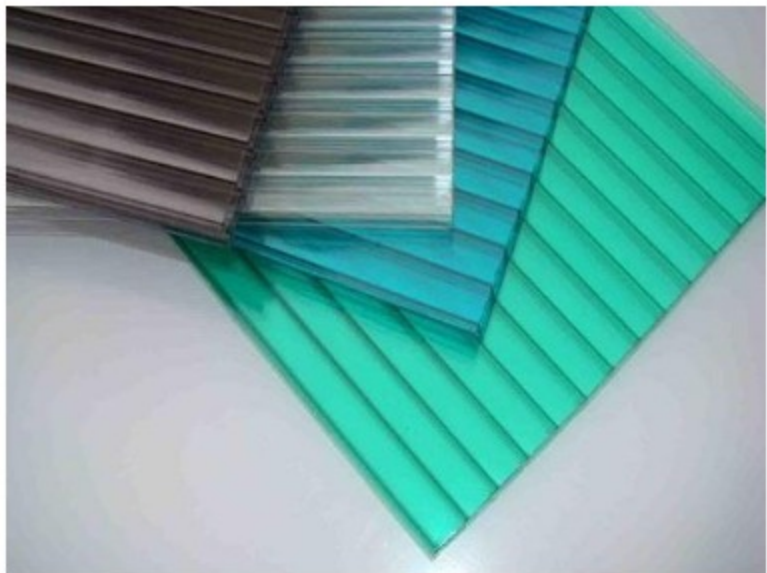


## PC Board Sheet

PC SHEET which also can be named as polycarbonate (PC) hollow sun panels and double hollow board. The PC sun panels are made of high quality German Bayer Markolon raw materials and SABIC BASIN raw materials, using the most advanced co-extrusion equipment and production technology produced.

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### Product Details

Shanghai DER New Material Co., Ltd is a professional **PC sheet** manufacturer and exporter in china, that is concerned with the design, development and production of **PC plastic sheet**.

#### 1. Introduction of the PC sheet

**PC sheet** which also can be named as polycarbonate (PC) hollow sun panels and double hollow board. The PC sun panels are made of high quality German Bayer Markolon raw materials and SABIC BASIN raw materials, using the most advanced co-extrusion equipment and production technology produced.

**PC transparent sheet** with its good lighting, impact resistance, anti-aging, light weight, physical stability and other characteristics, become one of the world's most widely used as engineering plastics, and the new building lighting decoration materials with green high environmental protection.

#### 2. Advantage of the **PC sun board sheet**

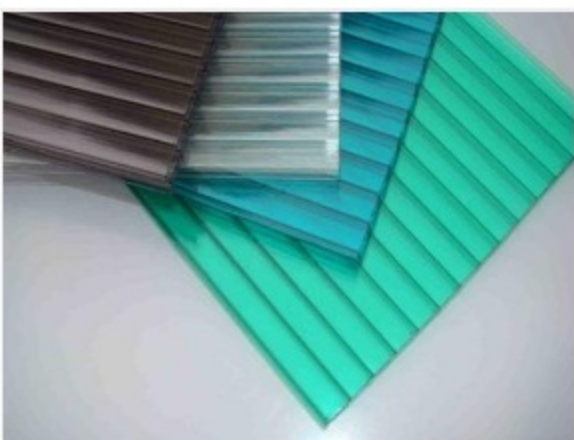
- 1). Transparency: good light transmission performance. PC sun plate up to 88% transparency.
- 2). Weatherability: the surface of the anti-UV co-extruded layer, can block the sun through the ultraviolet light, so that the plate is not easy to aging yellow, a good weather resistance.
- 3). Sound insulation: with good sound insulation performance, can effectively reduce the noise, is the preferred material for the highway sound barrier.
- 4). Impact resistance: PC impact plate strength is the same thickness of ordinary glass 250 to 300 times, acrylic plate 30 times, 2 times the tempered glass, "not broken glass" reputation, is the manufacture of bulletproof glass of high quality materials.
- 5). Flame retardant: GB GB2424-2006 test is a flame retardant B1 level, the combustion will not produce toxic gases, from the fire self-extinguishing, will not contribute to the spread of fire.
- 6). Temperature resistance: at minus 40 degrees Celsius to 120 degrees Celsius, there will be no deformation, mechanical and mechanical properties of significant changes in quality deterioration;
- 7). Lightweight: light weight, endurance plate density is only half of the general glass, thus saving transportation, removal, installation and support the cost of the framework, and the plate can be cold, giving the architects a broader design space.
- 8). Can be hot bend.

#### 3. Specification of the **PC panels sheet**

Impact strength	2.1~2.3J/M
Light transmission	40~82%
Specific gravity	1.2G/cm <sup>3</sup>
Coefficient of thermal expansion	0.065mm/m°C
Service temperature	-40°C~+120°C
Heat conductivity	3.0~3.9w/m°C
Tensile strength	≥60N/mm
Flexural strength	100n/mm <sup>2</sup>
Modulus of elasticity	2400Mpa
Tensile stress at break	≥65Mpa
Elongation at break	>100%
Common thickness:	4mm、6mm、8mm、10mm、12mm



PC sheet



PC sun panels



PC plastic sheet

#### 4. Application of the **PC plastic sheet**

**PC sun board sheets** are widely used in outdoor building lighting projects, such as: sports venues, stations, airports, shopping malls building lighting projects; corridor aisle roof, shelter, awning, parking, agricultural greenhouses, ecological restaurants; Advertising light boxes, highway noise barriers, indoor and outdoor decoration and other fields.



PC sheets supplier



PC board panel



PC transparent sheet



pc sheet



pc plastic board



PC board



PC sheet supplier



PC transparent sheet



PC sun board

DER is professional **PC sheet** manufacturer, our products are in promotion. If you are distributor of **PC board sheet**, or **PC plastic sheet**, and if you have any questions or requirement of pc sun board, please contact us freely.