

EMBROSSED POLYCARBONATE SOLID PC SHEET



Specifications

Type: Sun Sheets & PC Embossed Sheets

Material: Polycarbonate

color: clear, green, blue , light blue , brown , opal , red , yellow, etc.

10 years warranty

50 micro UV protection both side

Tthickness, Wwidth and Leght by customers

Great impact strength

Packaging & Delivery

Packaging Details: PE film protection on both side, fumigation pallet package for all solid sheet

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

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On the basis of common pc solid sheets technique and improvements of molds and production, the optical properties are changed as the surface structure of the product varies. Single side of pc embossed sheet contains UV protective layer, therefore, its mechanical properties, fire retardation, applicable temperature and chemical properties are consistent with common solid sheet. By changing the physical shape of the surface, when light gets through the embossed sheet, it produces light scattering to get a vague hazy effect. Currently, pc embossed sheet is very ideal architecture material.

Features of Product

1. Light transmission Polycarbonate sheet has very good light transmission. Prolonged sun exposure of UV coated plate does not produce yellowing, fogging and poor light. The loss of light transmittance is 6% for embossed sheet and 15%-20% for PVC after ten years.

As light through its convex particles produces light scattering, it has good optical effect. For more information about light transmission, please feel free to contact us.

2. Anti-UV & Heat Insulation UV protective layer, 98% UV absorbed.

3. Light weight, high impact strength, excellent physical and mechanical properties and well bending performance The mechanical properties of pc embossed sheet are consistent with pc solid sheet. Maintaining good impact resistance for a long time in a wide temperature range (-40°C-120°C).

4. Wide-ranging application, good weather-resistance Maintaining the stability of mechanical properties between -40°C to +100°C, the sheet does not occur the cold crisp above -100°C and without softening below 145°C. Small size change from 100°C to -40°C, the rate of change is $\leq 0.3\%$. 2000 hours of artificial aging test towards the sheet, the yellowing degree was grade 2, and the transmission rate was decreased by 0.6%.

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6. Soundproof The sheet can effectively reduce the noise, and is the best choice for soundproof.

7. Convenience for transportation and construction Light weight, standard size, convenient transportation & construction, easy cutting and punching, cold bent and good processing performance.

8. Condensation inhibition Under normal circumstances, when the outdoor temperature is 0°C, room temperature is 23°C and the indoor relative humidity is below 80%, the inner surface of the material does not frost.

9. Chemical resistance Polycarbonate Sheet can resist various kinds of harmful corrosive materials, such as organic acid, inorganic acid, vegetable oil, neutral salt solution, aliphatic hydrocarbon and alcohol, etc.

Application

Commercial Building Lighting

Industrial architecture lighting

Stadium roof and indoor play area

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FREE TO CONTACT US!!**



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Transportation infrastructure Residential architecture lighting

Exterior-protected construction and curtain wall

Bathroom and swimming pool

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