

Polycarbonate Solid Sheet

Polycarbonate Solid Sheet has the transparency, but the weight is less than half of the glass. and has the high impact strength. SAPPHIRE Polycarbonate solid sheet can be cold bend, processed and hot molding. It is widely used in constructions and decorations.

Effect of soundproof	
Thickness(mm)	Soundproof Index(dB)
4	27
5	28
6	29
8	31
10	32
12	34

Min. Bend Radius	
Thickness(mm)	Min. Bend Radius(mm)
3	450
4	600
5	750
6	900
8	1200

Product Specification

Thickness(mm)	Standard Width	Standard Length(mm)	Specific Gravity	Standard Colors
1.5	915-2100 (mm)	15250-30500(mm)	1.2	clear, Green-blue, blue, green, brown, opal
1.8				
2				
2.5				
3				
4				
5				
6				
8				
10				
12				

-For large orders color and size can be custom made

Technical Data of PC sold sheet

NO.	Characteristics	Unit	Data
1	Impact Strength	J/m	850
2	Light Transmission	%	88*1
3	Specific Gravity	g/cm ²	1.2
4	Coefficient of Thermal Expansion	mm/m C	0.065
5	Service Temperature	C	-40-+120
6	Heat Conductivity	w/m ² °C	2.3-3.9
7	Tensile Strength	N/mm ²	>60

8	Flexural Strength	N/mrn2	100
9	Modulus of Elasticity	Mpa	2400
10	Tensile Stress at Braek	Mpa	>65
11	Elongation at Braek	%	100
12	Specific Heat	KJ/KGK	1.17
13	Heat Deflection Temperature	°C	140
14	Effect of Soundproof	dB	29*2

3mm PC solid sheet test result, the light transmission will be 89%-50% when the thickness is 2mm-20mm
6mm PC solid sheet test result

Applications:

- Lighting
- Indoor Windows and doors
- Riot Windows and doors, shop show window
- Museum show box
- Observe window
- Awning, Carport
- Indoor partition
- Advertising panel
- Soundbarrier

