



### **Excelite Plastic limited**

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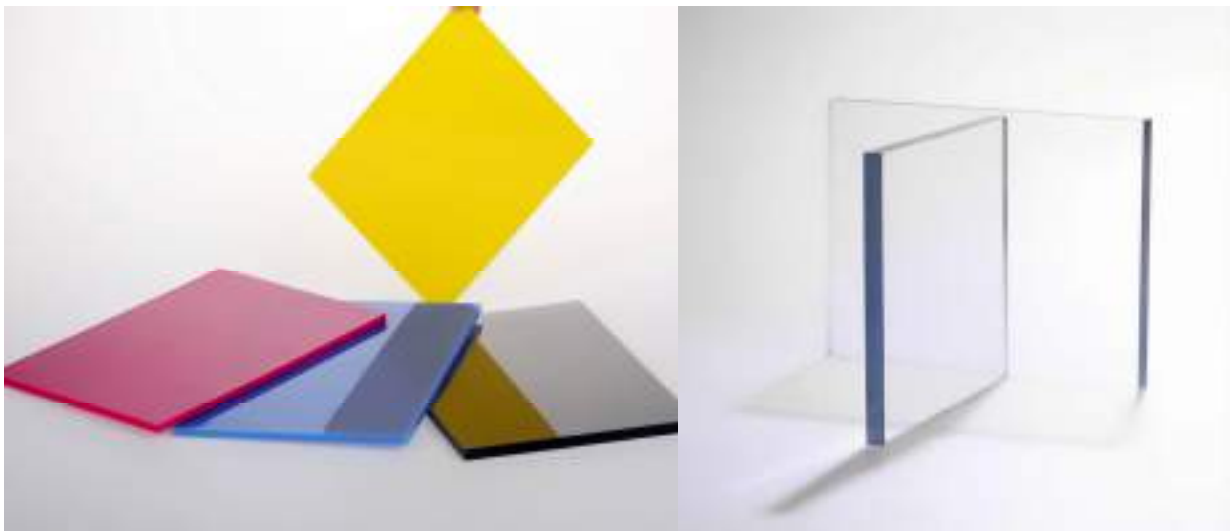
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## **Excelite General Polycarbonate solid sheet**

Excelite Polycarbonate solid sheet has another name called safety glass. It combines superior impact resistance and clarity; It is virtually unbreakable, 30 times impact resistance of tempered glass, about 200 times of common glass, 20 times of acrylic sheets, yet it is transparent as glass at less than half its weight.

Excelite can be cold bent and easily fabricated and formed, making it ideal for barrel vault roofing, skylights, architectural roofing and glazing. Can provide one side or both sides surface UV blocking layer, widely used in constructions and decorations

At the same time, Excelite polycarbonate solid sheet has various colors to meet your different outward appearance.



### **Typical Applications**

#### **Architecture**

1. Transparent acoustic barrier
2. Sport venues
3. Skylights
4. Shopping centers
5. Covered walkways
6. Indoor windows and doors
7. Sun rooms and covered patios
8. Awning, carport
9. Indoor partition

### **Safety and Security Glazing**

1. Safety glazing
2. Machine Guard
3. Bus stops and telephone booth
4. Shield for police and security forces
5. Glazing in public transportation
6. Safety wind shield for cars, motorcycles, bike
7. Eye protection visors for helmets

### **Sign and Graphics**

1. Signboards and illuminated signage
2. Advertising panel
3. Light fixtures

### **Amplification**



### Specification

Thickness(mm)	Standard length(mm)	Standard Length(mm)	Specific Gravity	Standard Colors
1.5-12	1200-2100	5800mm Thickness≤ 3mm no limited	1.2	Clear, Green,Blue,Opal white,Blue Brown,Red, Yellow,Silver-Blue Translucent, Opaque
MOQ: 3 tons	Lead time: 10-15days		Payment: T/T or L/C at sight	

**\*Other dimension and color is available with a special order, subject to a minimum order**

### Property

Physical Properties	Method	Condition	Metric
Specific Gravity	GB/T 1033	All thickness	1.2 g/cm <sup>3</sup>
Water Absorption(24Hr)	GB/T 1033	24H@ 23℃	0.30%
Effect of soundproof	GB/T 1033	10mm	32dB
Mechanical Properties	Method	Condition	Metric
Tensile Strength	GB/T 1040		60.3MPa
Tensile Elongation, break	GB/T 1040		108%
Elongation at Break	GB/T 1040		>90%
Elongation at Yield	GB/T 1040		6%
Coefficient of linear expansion	GB/T 1034		0.000063℃ <sup>-1</sup>
Notched impact strength of the beam	GB/T 1843		6.2KT/m <sup>2</sup>
modulus of elasticity in static bending	GB/T 9341		2400 Mpa

