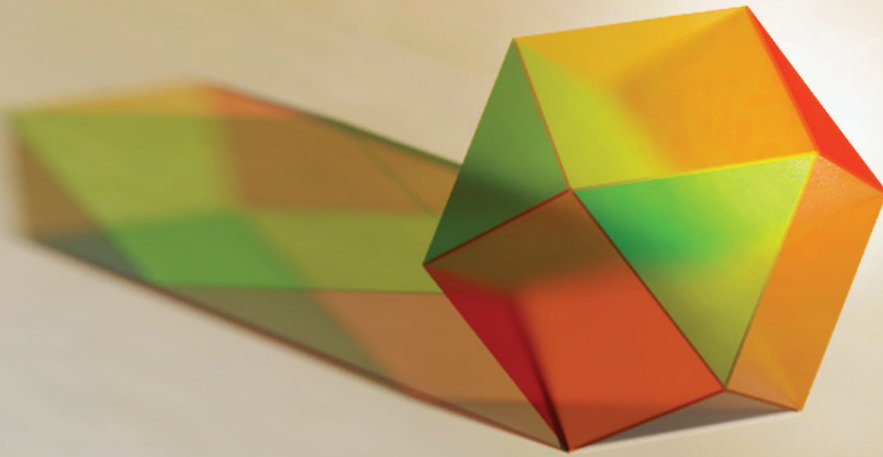


P can be easily molded and shaped, making it suitable for both industrial
C and consumer products. Its ability to withstand extreme temperatures
and harsh conditions further enhances its utility in numerous fields.



PC

GLOBLENS

Polycarbonate(PC) is a versatile thermoplastic polymer known for its high impact resistance, optical clarity, and strength. GLOBLENS combines superior impact resistance and clarity, making it the material of choice for many demanding applications. It is virtually unbreakable, yet it is transparent as glass at less than half its weight.



Product Description

GLOBLENS combines superior impact resistance and clarity, making it the material of choice for many demanding applications. It is virtually unbreakable, yet it is transparent as glass at less than half its weight.

GLOBLENS can be cold bent and easily fabricated and formed, making it ideal for barrel vault roofing, skylights, architectural roofing and glazing.

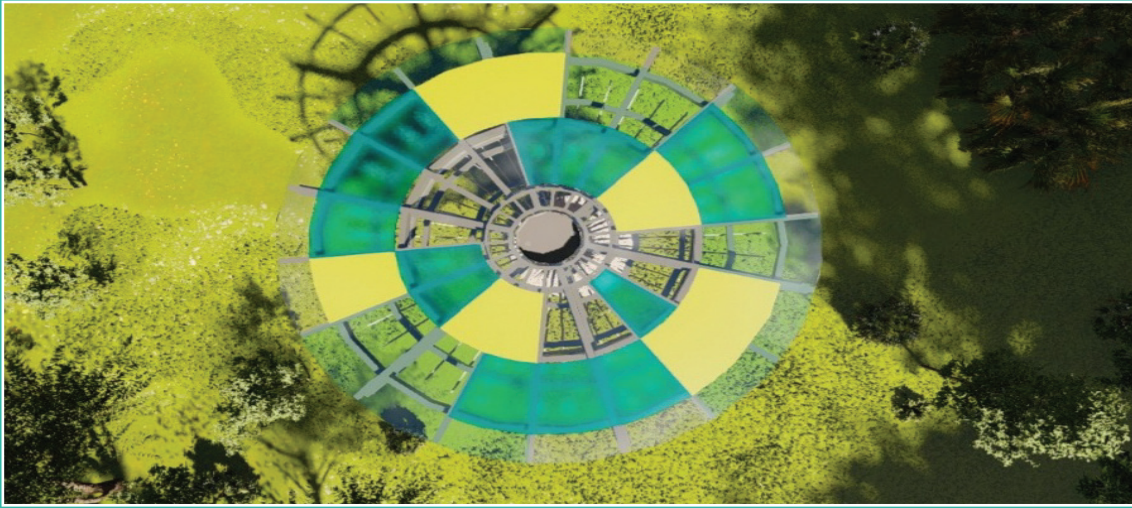
Clear, translucent and opaque GLOBLENS sheets are also ideal as machine guards, sound barriers, antivandal and safety glazing. GLOBLENS Diffuser and LB sheets are extensively used in durable light boxes.

Product Benefits

- High Impact Resistance
- Lightweight
- UV Protection
- Transparency
- Thermal Stability
- Ease of Fabrication
- Chemical Resistance
- Sustainability



Cha Kwo Ling Desk Park



Product Applications

Applications

- Transparent acoustic panels
- Sport venues
- Skylights
- Shopping centers
- Covered walkways

Construction

- Sun rooms and conservatories
- Pergolas and covered patios

Safety and Security Glazing

- Safety glazing
- Machine guards
- Bus stops and telephone booths
- Shields for police and security forces
- Glazing in public transportation
- Safety windshields for cars
- Eye protection visors for helmets

Sign & Graphics

- Signboards and illuminated signage
- Light Fixtures (white opal, diffused, or embossed sheets)

Fabrication

- Thermoformed, vacuum formed, bent, and fabricated items

Project Reference



Cha Kwo Ling Desk Park

Product Specification

Materials

Polycarbonate (PC)

Standard Dimensions

Thickness	Width x Length	Surface Finish
(mm)	(mm)	Smooth Both Sides
1	1220*2440	✓
1.5	1250*2440	✓
2	1220*2440	✓
2.5~6	1250*2440	✓
8	1220*2440	✓
9-12	2050*3050	✓

* Other dimensions are available with a special order, subject to a minimum order

Transparent Color Options



* Custom colors and solar transmissions are available upon request, subject to a minimum order.

Globlens Testing Reports

Property	Method*	Conditions	Units	Value
Density	D792-20	0.9975g/cm3	g/cm3	1.2
Heat Deflection Temperature	D648-18	/	°C	136.9
Thermal Conductivity	C518-17	(100*100*11.7)mn	W/(m.k)	0.185
Tensile Fracture Stress	D638-22	10mm/min	Mpa	56
Tensile Modulus	D638-22	1mm/min	Mpa	2908
Elongation at break	D638-22	/	%	3
Flexural Strength	D790-17	1.3mm/min	Mpa	108
Flexural Modulus	D790-17	1.3mm/min	Mpa	2448
Rockwell Hardness	D785-08	11.6mm/1 layer	/	126
UV aging & Yellowness index	ISO 4892-3:2016 & E313-15	/	°C	SCI:4.07 SCE:2.41
Coefficient of Linear Thermal Expansion	D696-16	/	/	44.410*10-6/°C
Total luminous transmittance	D1003-21	/	%	84.8
Haze	D1003-22	/	%	0.6



環球建造有限公司
Global Architecture Limited



7 Sai Yeung Choi Lane,
Sham Shui Po, Kowloon, HK
Tel : +852 2789 2883
Fax: +852 2789 2728
Whatsapp: +852 6609 2883

info@globalarch.com.hk
<https://www.globalarch.com.hk>



PC

GLOBLENS