



Technical Information

POLYCARBONATE SHEET, UV 2SIDES(TRANSPARENT)

COMPOSITION AND PRESENTATION

Polycarbonate sheet is a kind of high quality sheet made of polycarbonate, which is made of CO-EXTRUSION technology.

At delivery time the presentation of the sheets is as follows:

- Available sizes: 1.22m-2.10m*W
- Thickness:1.0 mm-12mm
- Color: transparent color /bright blue/grass green /milk
- Surfaces: Shining
- white/dark brown/other any color

1. PROPERTIES

- Good impact strength
- Good weather resistance
- High flame resistance
- High mechanical strength
- Good chemical resistance, superior to most other plastic materials
- Good light transmission
- Light weight
- UV resistance, etc
- Good hard coating and scratch resistance
- Good Insulation feature, widely used for different electrical equipment

2. APPLICATIONS

The instrument examines dish, piping system, safety glass, writing pad, slide projection equipment parts, widely used in machinery, automobile electronics, construction, field of daily necessities, and is rapidly expanded to aviation, aerospace, computer, optical disk, optical fiber and many other high-tech fields.

3. NORMAL THICKNESS (mm) AND WIDTH (m)

Normal Thickness	Normal Width
1.2	
1.5	
1.8	
2.0	1.22
2.3	
2.6	1.56
3.0	
3.6	1.82
4.0	
4.5	2.10
5.0	
6.0	
8.0	
10.0	
12.0	

Can made un-normal thickness and width as per customer's request, if the quantity meet the minimum order quantity.

Technical Information

POLYCARBONATE SHEET, UV 2SIDES(TRANSPARENT)

4. TECHNICAL DATA OF PC SHEET

ITEMS	UNIT	TEST METHOD	RESULT
Charpy Notched Impact Strength	KJ/M ²	ISO11963:2012 Section5.4.2 & ISO179-1:2010	82
Deflection Temperature under Load	°C	ISO11963:2012 Section5.5.2 & ISO 75-1:2013 & ISO 75-2:2013 Method A	138
Specific Gravity	/	ISO11963:2012 Table 4 & ISO1183-1:2012 Method A	1.200
Haze	%	JG/T 347-2012 Section7.4.9 & GB/T 2410-2008 Method A	0.6
Tensile Modulus	MPa	ISO11963:2012 Section 5.4.1 & ISO 527-1:2012 & ISO 527-2:2012	2360
Tensile Stress at Yield	MPa		62
Nominal Tensile Strain at Break	%		90
Total Luminous Transmittance	%	ISO11963:2012 Section5.6 & ISO 13468-1:1996	87.8
Vicat Softening Temperature	°C	ISO11963:2012 Section 5.5.1 & ISO 306:2013 Method B50	146
Water absorption	%	JIS K6735:2006 Table8 & JIS K 7209:2000 Method 1	0.22
Mean Coefficient of Linear Thermal Expansion	K ⁻¹	ISO11359-1:2014 & ISO11359-2:1999 Method A	65×10 ⁻⁶
UV-Transmittance	%	JG/T 347-2012 Section 7.4.11 & GB/T 2680-1994	0.02