

Float Polycarbonate Sheets :

Which are in compatible products with high safety coefficient are idea in glass usage. As well as lightweight and color consistency their high shock resistance makes the sheets almost unbreakable , and there in natural disasters like earthquake there will be no danger of glass breakage. As they are easily installed , they can be used for windows, patios , pedestrian bridges , bus station and in car manufacture . thicker sheets are bullet proof and are recommended to be used in places such as bank , jewelry , museum , money transferring . Float polycarbonate sheets are produced and supplied in colored , opaque and transparent with 2.12 mm thickness and 205 x 205 mm dimension Advantages : The sheets produced in Polymer Talayi Yazd Company have high visual sparking as diamonds , crystal clear surface These are products function very well even in extreme temperature changes. The benefits of usage these products are extra mechanical , thermal and electrical properties . Other advantages of the sheets are as follows :

- - Easy forming in vacuum .
- - Unique function in high and low temperatures
- - Easily recycle more
- - 250 times high shocks resistance then glass almost unbreakable
- - Usually non-flammable
- - Easy to use and install
- - High thermal and electrical insulation
- - Light weight (almost ½ weight of glass with the same dimension , that makes the sheets easy to carry and install .
- - Safety curvature radius is almost 175 times of its thickness

Usage:

- - In construction
- - Transportation industry
- - Glass in usage
- - Safety glass function
- - Sunroof , partition , decorative doom, cabin making
- - Indoor and outdoor stadiums

Thickness(mm)

2

3

4

5

6

8

10

12

Solid PC

U-Value(W/m² .k)

5.56

5.41

5.26

5.13

5.00

4.76

4.55

4.35

Area Weight(kg/m²)

2.4

3.6

4.8

6

7.2

9.6

12

14.4

PMMA

U-Value(W/m² .k)

5.52

5.36

5.20

5.06

4.92

4.66

4.43

4.23

Area Weight(kg/m²)

2.38

3.57

4.76

5.95

7.14

9.52

11.90

14.28

Glass

U-Value(W/m² .k)

5.83

5.80

5.78

5.75

5.73

5.68

5.63

5.58

Area Weight(kg/m²)

5

7.5

10

12

15

20

24.9

29.9

