



TECHNICAL DATA SHEET

SOLID POLYCARBONATE SHEET

The main advantages of using solid polycarbonate glass are: high resistance to shock, weather conditions and UV rays, blocks harmful UV radiation, lightweight, easy to install, easy to maintain and has excellent acoustic insulation properties, it is an excellent alternative to glass.

The use of monolithic polycarbonate sheets

ensuring high impact resistance, material for safety glazing, vandalism protection, outdoor advertising, security inspection, equipment safety and visors, greenhouse glazing, picture frames and dome roofs.

Main advantages

- High quality;
- 10-year warranty;
- Polycarbonate plastic (PC);
- Shockproof and hail proof;
- 200 times stronger than glass;
- Weighs 20 times less than glass;
- Protected from UV rays on both sides;
- Durable;
- Excellent temperature resistance;
- High light conductivity;
- Easy to cut and install.

Areas of use

- For sheds, terraces
- For parking lots
- For entrance canopies
- Roof windows
- For roofs, walls
- For temporary windows
- Dome roofs
- For outdoor billboards
- For greenhouses
- For walls, etc.

OPTION	DESCRIPTION
Thicknesses:	2/4/6
Colors:	Transparent



PROPERTIES		VALUE
Physical Properties		
	Density	1200kg/m3
	Water absorption in Water Equilibrium, 23°C	0.35%
Mechanical Properties		
	Tensile strength	60MPa
	Modulus of elasticity	2250
	Elongation at tear	110%
	Charpy impact strength 23 °C, 3 mm, notched	80PkJ/m2
Thermal		
	Coefficient of linear thermal expansion 0-50°C	65x10-6 K-1
	Heat conductivity (l)	0,21 W/mK
Optical characteristics		
	Refractive index	1,457

LIGHT TRANSMISSION								
Thicknesses:		2mm		4mm		6mm		
Colors:	Transparent	92%		90%		88%		
	1010							

COLD CURVING											
				2mm		4mm		6mm			
Min Radius (mm)				300		600		900			

FIRE RATING according EN 13501-1	
B s1 d0	1-4 mm
B s2 d0	5-6 mm

The technical data of our products are typical ones; the actually measured values are subject to production variations.