

POLYGULF® Polycarbonate sheets are made from raw materials sourced from some of the best suppliers in the industry. We use only prime quality virgin raw materials. The product range of polycarbonate sheets come with different colours and can be customized as per customer requirement.

We also manufacture these sheets with patterns to suit various applications.

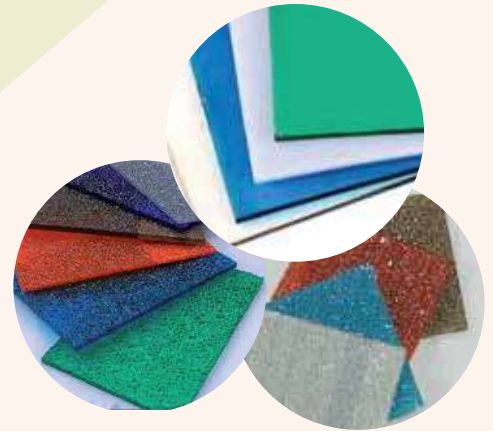
POLYGULF® Polycarbonate sheets are also available with UV coating. These sheets are produced with co-extruded UV protection that permits them to be used in exterior applications in which they are exposed to UV light.

Ranges of POLYGULF® Polycarbonate Sheet

Description	Color	Thickness (mm)	Standard Dimension Width(mm) X Length(mm)
PC Solid rolls	Clear, Opal, Bronze, Blue, Green	0.5-3.0	1220 x 30,500
PC Solid sheet	Clear, Opal, Bronze, Blue, Green	1.5-20.0	1220 x 2440 ;2000 x 3000; 2050 x 3000; 2050 x 3050
PC Solid sheet-UV2			
PC Crystal	Clear, Opal, Bronze, Blue, Green, Orange	2.5-20.0	1220 x 2440 ;2000 x 3000; 2050 x 3000; 2050 x 3050
PC Inward Crystal			
PC Textured	Clear, Opal, Bronze, Blue, Green, Orange	1.5-20.0	1220 x 2440 ;2000 x 3000; 2050 x 3000; 2050 x 3050 (PC rolls possible for thickness upto 3mm)
PC Maze			
PC Delta			
PC Rain Drop			
PC Pinseal			
PC Waterfall			
PC Diffuser Plain	Clear, Opal	1.5-20.0	1220 x 2440 ;2000 x 3000; 2050 x 3000; 2050 x 3050
PC Diffuser Matte			
PC Prismatic sheets	Clear, Opal	2.8-20.0	2000 x 3000; 2050 x 3000; 2050 x 3050

***2.5 Mtr [2500mm] width possible in Plain sheets from 2 mm to 12 mm thickness

Note: Customized sizes and colors can be made available



Features of Polycarbonate Sheets

Fire Retardant (Self Extinguishing)

POLYGULF[®] Polycarbonate sheets have an excellent flammability rating (UL94 V-2), are self extinguishing and suitable for using in areas prone to fire. These sheets do not release toxic gases and are comparatively much less flammable than GRP sheets.

Excellent Impact Resistance

POLYGULF[®] Polycarbonate sheets possess exceptional impact resistance. Manufactured from high quality virgin resin, polycarbonate has 250 times the impact strength of glass and up to 40 times that of Acrylic (PMMA) sheets of similar thicknesses. POLYGULF[®] solid sheets are virtually unbreakable.

Superior Clarity & Light Transmission

POLYGULF[®] Polycarbonate Clear Solid sheets are as transparent as glass and have a light transmission of 90 %. These sheets are also available in translucent configuration for better light diffusion.

Weather Protected

POLYGULF[®] Polycarbonate Solid sheets possess a special Ultraviolet barrier, which cuts off 99.9% of harmful ultraviolet radiation. This protection ensures zero damage to UV sensitive products like, furnishings and upholstery, paint, carpets and also prevents harm to the human skin. Further, this UV layer is co-extruded and hence cannot peel or delaminate from the sheet, ensuring long term durability and sustained weather protection.

Design Flexibility

POLYGULF[®] Polycarbonate sheets can be cold curved in both directions. That is parallel or perpendicular to the line of extrusion. This offers design flexibility to install these sheets over curved roofs or walls (Radius of curvature will be defined by the thickness of sheet to be used).

Broad Range Temperature Resistance

POLYGULF[®] Polycarbonate sheets remain stable under

extreme climatic conditions, remaining virtually unchanged between temperatures of -20 °C and +120 °C. This signifies that the sheets can perform below freezing point and above boiling point of water. Adequate allowance needs to be made for thermal movement in the fixing arrangement.

Better Heat/ Thermal Insulation

POLYGULF[®] Polycarbonate sheets exhibit better insulation values against heat or cold when compared to glass or GRP sheets.

Handling with Ease

Due to their relatively lightweight and high impact strength, POLYGULF[®] Polycarbonate sheets are convenient to store, handle and install. Conventional tools can be used to cut, trim or drill holes in the sheets.

Chemical Resistance

POLYGULF[®] Polycarbonate Solid UV2 sheets are resistant to a wide range of chemicals. They are generally unaffected by acids, alcohols, glycols, mineral oils, animal and vegetable fats, kerosene and non-abrasive cleaners. However, they are affected by benzene, petrol, ketones, acetones, phenols, chlorinated and aromatic hydrocarbons, petroleum based paints, abrasive cleaners and solvents. For more information contact your distributor for a data sheet.

Simple Maintenance

Clean using mild detergent and warm water. Use a soft sponge. Rinse thoroughly with clean water.

Solid Sheets Warranty

POLYGULF[®] Polycarbonate Solid UV2 sheets are backed by a 10 years warranty against loss of light transmission and a 10 years warranty against hail breakage. Provided that all warranty conditions are satisfied, these warranties will be honored anywhere in the world where our Polycarbonate sheets are sold.

Applications of Polycarbonate Sheets

- Skylights, Sky domes, Walkways
- Sunshade for swimming pools, stadiums & bus stops
- Flashing for bank ATM's & Telephone Box
- Sound and heat insulation wall for expressway, houses
- Heat preservation material for agricultural green house
- Unbreakable material for glazing windows & gates
- Machinery protection
- Protective shields
- Security glazing
- Lighting application