

POLYCARBONATE

Cgates' Polycarbonate extruded sheet is a very durable sheet that has high impact resistance. CGPC is stronger, usable at a higher temperature range, and has better light transmission than many kinds of glass. Half the weight of glass and virtually unbreakable, CGPC sheets meet the most demanding applications of machinery, automotive, safety and construction industry: skylights, flat or curved glazing and a wide range of architectural projects. A special co-extruded layer is provided on one or both sides for enhanced long-term weather resistance.

APPLICATIONS

- Roofing and window glazing
- Windshields
- Space separation and partition
- Noise reduction barriers,
- Street Furniture, Lighting & Signage
- Thermoforming, vacuum forming fabricated parts

FEATURES & BENEFITS

- Virtually unbreakable
- High impact resistant
- High clarity & light transmission UV protective layer - 1 or 2 sides
- High flame resistant
- Half the weight of glass
- Easy to machine, handle & install

DIMENSIONS

Thickness (mm): 1.50 to 20

Width (mm): 1000 to 2100

Length (mm): 500 to 6000

- All sheets are available cut to size according to customer requirements

COLOURS

Transparent: clear brown, smoke brown, grey, smoke grey, blue, light green

- Translucent: opal, diffuser
- IR Block: green, silver, pearl
- Opaque: black, blue

TYPES

CGPC: PC solid GP NO UV protective layers

CGPC1UV: PC solid, 1 side UV protective layer

CGPC2UV: PC solid, 2 sides with UV protective layers

CGPC F: PC solid, fire retardant improved, 1 or 2 sides UV protective layer

CGPC Pax: Excellent formability, easy machining, for low temp applications

CGPC Embossed: (on 1 side)

CGPC TOP: Thin optical sheet

CGPC LED: for LED illumination



Laminating



Screen Printing



Digital Printing



Decorative Cut



Painting



Glueing



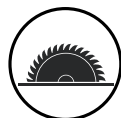
Screwing



Punching



Riveting



Sawing