



POLYCARBONATE

Cgate 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.

DIMENSIONS

Thickness (mm): 0.70 to 15
Width (mm): 1000 to 2140
Length (mm): 500 to 6000

All sheets are available cut to size according to customer requirements

COLORS

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

Translucent: opal, diffuser

IR Block: green, silver, pearl

Opaque: black, blue

APPLICATIONS

Roofing and windows Glazing
Wind shields
Space separation and partition
Noise reduction barriers Street furniture
Lighting and 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

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 retardent 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



Processing Methods

