BUILDING/CONSTRUCTION

Maximize natural light without compromising material strength, energy savings or design possibilities with performance plastics in building applications.

APPLICATIONS

- Commercial, institutional and residential greenhouses
- Entryway canopies
- Bus shelters, specialty enclosures
- Carports
- Sloped and curved glazing
- Skylights
- Security windows, hurricane glazing and shutters
- Sound barriers
- Interior partitions, room dividers
- Lighting lenses, tubes and louvers
- Mirrors
- Furniture, benches and tables
- Corner guards and run rails
- Barrier, protective and reflective films
- Caulking and sealants
- Piping
- Wiring jacketing
- Bearing pads

ADVANTAGES MAY INCLUDE

- Lightweight for faster and safer installation
- High impact strength
- Hailstone and hurricane resistant
- Lighter than glass
- Lower freight costs than heavier materials
- High strength-to-weight ratio
- Easy to fabricate, including on-site fabrication
- Building code approved
- Fire resistant; does not give off toxic gasses
- UV resistant
- Transparent/high light transmission
- Wide range of color or tint options
- Easy to decorate
- Energy efficient; excellent thermal insulation properties
- Sustainable, can be recycled
- Chemical resistance

MATERIALS

- Acrylic (PMMA)
- Chlorinated Polyvinyl Chloride (CPVC)
- Ethylene Tetrafluoroethylene (ETFE)
- Fiber-Reinforced Plastic (FRP)
- Polycarbonate (PC), including Multiwall
- Polycarbonate
- Polyethylene Terephthalate (PETG)
- Polyvinyl Chloride (PVC)
- PVC/Acrylic Alloy (PMMA)
- Polyolefin Alloy (PO)
- Polypropylene (PP)
- Polystyrene (PS)
- Recycled Plastic Lumber
- Polyethylene (PE)
- Polyvinyl Flouride (PVC)
- Polytetrafluroethylene (PTFE)
- Perfluoroalkoxy (PFA)
- Silicone (SI)

DID YOU KNOW?

Polycarbonate has an impact strength that is 100 times stronger than glass, just one of the reasons the National Green Building Council added many plastics to the LEED Certified Building Materials list.

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