

Plastics for Temporary Care Facilities and Personal Protective Equipment

The sudden rise in COVID-19 cases has created increased demand for temporary hospital facilities throughout the world. As cities establish alternative medical care sites in convention centers, hotels, and sports arenas, plastic sheet and film materials are required to build critical medical equipment, examination rooms, and patient ward rooms. Plastics are also used for windows, guards, and splash protection face shields. Curbell Plastics is ready to help medical care providers and medical facilities professionals.

Expanded PVC for Hospital Room Wall Partitions and Medical Workstations

Expanded PVC sheets are lightweight, durable, and easy to fabricate using ordinary woodworking tools. When installed in metal frames, expanded PVC is an ideal material for temporary hospital wall partitions and medical work stations. The material is chemically resistant and it is available in grades that meet UL 94 V-0 flammability standards as well as FDA requirements for incidental food contact. Expanded PVC is available in a wide variety of colors and thicknesses.

KYDEX® Thermoplastic Sheet for Medical Furniture and Equipment

KYDEX® sheet is tough, durable, and available in many standard colors. It resists bacteriological and fungal development, which makes it the material of choice for hospital facilities and equipment. KYDEX® sheet is combatable with many hospital disinfectants. The material is available in grades that meet UL 94 V-0 flammability standards.

HDPE Sheet for Durable Hospital Bed Components

HDPE (high density polyethylene) is a tough, chemically resistant plastic sheet material that is often used to replace wood products where additional cleanliness and moisture resistance are required. HDPE sheet is used for hospital bed headboards, footboards, and food serving trays.

Acrylic, PETG, and Polycarbonate Sheet for Windows, Glove Boxes, Intubation Covers, and Safety Shields

Acrylic, PETG, and polycarbonate sheet materials are transparent plastics that are used for windows, guards and safety shields. Acrylic has the highest level of transparency. PETG is the most flexible, and polycarbonate has the greatest toughness and durability.

Polycarbonate, PETG, and Oriented Polyester Films for Face Shields

Film materials are transparent, flexible, and easy to fabricate into face shields for splash protection. Polycarbonate film is the toughest and the most durable of the three plastics. PETG is the most flexible, and oriented polyester film is the strongest and stiffest of the three materials.

Mattresses for Healthcare Facilities

Curbell's healthcare mattresses are made from high density, anti-microbial, medical grade foam. They have leak-proof, stain-resistant, wipeable covers that can be laundered. The stretcher mattress is 3" high x 26" wide x 76" long with 2 tapered corners. The bed mattress is 6" high x 36" wide x 80" long and has a rectangular shape. The minimum order is 100 mattresses.



Temporary Wall Partitions Made from Expanded PVC



HDPE Hospital Bed Footboard and



Hospital Bed Mattress



Medical Cart with Tops, Sides, and Drawers made from KYDEX® Thermoplastics



Medical Equipment Housings Fabricated from KYDEX® Thermoplastics



Glove Box Made from Acrylic Sheet