

Prime Impax™ 250 (PI250)

Our Prime Impax 250 is our standard thermoforming medical grade of High Impact Polystyrene.

Provides good quality, toughness, stiffness, and impact strength.

Customization

Our PI250 material is FDA compliant and USP Class VI compliant polystyrene. Since it is an amorphous thermoplastic material, it is relatively easy to process in extrusion and thermoforming. The mold shrink is .003-.006 in./in. It can be formed on aluminum, ceramic, fiberglass, epoxy, and even wood tools.

PI250 can be color matched to meet your specific requirements through our vertical integration with Primex Color, Compounding & Additives.

Sustainability

Sustainability includes considering the product's circularity or end of life during the design of the finished product. Prime Impax 250 is a polystyrene (recycle code 6) that can be recycled as a post-industrial or post-consumer product. Contact your Primex Territory Business Manager or check with local recycling facilities to determine where it is collected and recycled.

Primex Sustainability: A better tomorrow, starting today!



Prime IMPAX™ 250 | Data Sheet

Prime Impax 250 is a formulated High Impact Polystyrene. It is designed to meet a wide variety of product applications and is one of the most versatile and inexpensive materials we supply.



Applications

Some PI250 applications include signs, credit cards, medical packaging, food packaging, building products, displays, furniture, and computer products.

Finishing

PI250 can be fabricated by drilling, routing, sawing, die and/or laser cut. Mechanical fasteners may be used as well as chemical bonding and sonic welding. We provide PI250 in sheet or roll stock and are capable of holding extremely tight tolerances by either square cutting or slitting.

Colors, Textures, and Capabilities

PI250 is offered in thicknesses of .008-.125 and widths of up to 53". Textures available include; smooth, matte, Seville, RM, HC, Calf Grain, Levant, FL/HC, and even flocked.

| Prime IMPAX 250 | Very High | High | Avg. |
|---------------------------------|-----------|------|------|
| Impact Strength | | * | |
| Low Temperature Impact Strength | | | * |
| Tensile Strength | | * | |
| Flexural Modulus | | * | |
| Heat Deflection Temperature | | | * |