Prime Impax 250 is a formulated High Impact Polystyrene that provides quality toughness, stiffness and impact strength. Prime Impax 250 is designed to meet a wide variety of product applications and is one of the most versatile, inexpensive materials we supply. It is our standard thermoforming grade of High Impact Polystyrene.

### Applications:
Prime Impax 250 is FDA compliant and USP Class VI compliant. With its ease of processing, it provides trays with the rigidity and parallelism need for good sealing. It is able to withstand Gamma Radiation and ETO sterilization.

### Finishing:
Prime Impax 250 can be fabricated by drilling, routing, sawing, die cut and/or laser cutting. Mechanical fasteners may be used as well laser cutting. We provide Prime Impax 250 in sheet or roll stock and are capable of holding extremely tight tolerances by either square cutting or slitting.

### Processing:
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.

### Colors, Textures and Capabilities
Prime Impax 250 is available in natural and white. It is offered in thicknesses of .008 -.125 and widths of up to 53” with a M/M surface.

### Property Test Method | Value | Unit
--- | --- | ---
Specific Gravity | D-792 | 1.04 | g/cc
Melt Flow@200°C/5g | D-1238 | 2.5 | g/10min
Tensile @ Yield | D-638 | 2900 | psi
Flexural Modulus | D-790 | 275,000 | psi
Elongation @ Failure | D-638 | 70 | %
Hardness, Rockwell | D-785 | 75 | M-Scale
Notched Izod @ 73°F | D-256 | 2.1 | ft-lb/in
HDT @ 264 psi | D-648 | 183 | °F
Vicat Softening Point | D-1525 | 210 | °F

Complies with UL 94 HB at thickness >.060 in.
Complies with FDA Regulation 21 CFR 177.1640
Complies with USP Class VI, can be sterilized by Gamma Radiation or ETO

Please contact your Piedmont Plastics representative for more information on finishing, fabricating, or the thermoforming process.

Notice: All statements, information, and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation of warranty that such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated, or that other measures may not be required.

Large enough to handle YOUR requirements, small enough to handle YOUR needs.