



Prime Impax 650D is a formulated High Impact Polystyrene. Special consideration has been given to this material selection and processing techniques to provide an affordable media that is up to the demands of digital printing.



PRIME IMPAX 650D

Prime Impax 650D	High	Avg.
Impact Strength	*	
Low Temperature Impact Strength		*
Tensile Strength	*	
Flexural Modulus	*	
Heat Deflection Temperature		*

Applications:

Prime Impax 650D is FDA compliant, satisfies the UL 94 HB criteria and is suitable for use in all digital printing applications such as signs, gift cards, and menu boards.

Finishing:

Prime Impax 650D can be fabricated by drilling, routing, sawing, die cutting and laser cutting. We provide Prime Impax 650D in sheet or roll stock and are capable of holding extremely tight tolerances by either square cutting or slitting.

Property	Test Method	Value	Unit
Specific Gravity	D-792	1.04	g/cc
Melt Flow Condition G	D-1238	3.0	g/10min
Tensile @ Yield	D-638	3000	psi
Flexural Modulus	D-790	240,000	psi
Elongation @ Break	D-638	50	%
Notched Izod @ 73°F	D-256	2.3	ft-lb/in
HDT @ 264 psi	D-648	185	°F
Vicat Softening Point	D-1525	212	°F

Complies with UL 94 HB at thickness >.059 in.
Complies with FDA Regulation 21 CFR 177.1640

Processing:

With an embossed matte surface, the use of materials with large rubber particle size, and specialized corona treatment. Prime Impax 650D is positioned to provide trouble free processing on todays high speed large and small format digital process.

Colors, Textures and Capabilities

Prime Impax 650D can be color matched to meet your specific requirements. It is offered in thicknesses of .010 -.400 and widths of up to 120". Textures available include; smooth , and matte with guide lines, UVI and protective masking also available.

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.

Distributed by:



Piedmont Plastics®

where solutions take shape

Toll Free: 1.800.277.7898

www.piedmontplastics.com

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