



Prime Impax 6450D 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 6450D

Prime Impax 6450D	High	Avg.
Impact Strength	*	
Low Temperature Impact Strength		*
Tensile Strength	*	
Flexural Modulus	*	
Heat Deflection Temperature		*

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

### Applications:

Prime Impax 6450D 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 6450D can be fabricated by drilling, routing, sawing, die cutting and laser cutting. We provide Prime Impax 6450D in sheet or roll stock and are capable of holding extremely tight tolerances by either square cutting or slitting.

### Processing:

With an embossed matte surface, the use of materials with large rubber particle size, and specialized corona treatment. Prime Impax 6450D is positioned to provide trouble free processing on today's high speed large and small format digital process.

### Colors, Textures and Capabilities

Prime Impax 6450D 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 Primex Plastics representative for more information on finishing, fabricating, or the thermoforming process.

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

Primex Plastics Corporation  
800-222-5116  
www.primexplastics.com