

Prime Impax 650D

High Impact Polystyrene

Primex Plastics Corporation

Message:

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.

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.

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.

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.

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

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Impact Resistance		
	High Tensile Strength		
Agency Ratings	FDA 21 CFR 177.1640		
Appearance	Colors Available		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.7	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating (> 1.50 mm)	HB		UL 94

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Recommended distributors for this material

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