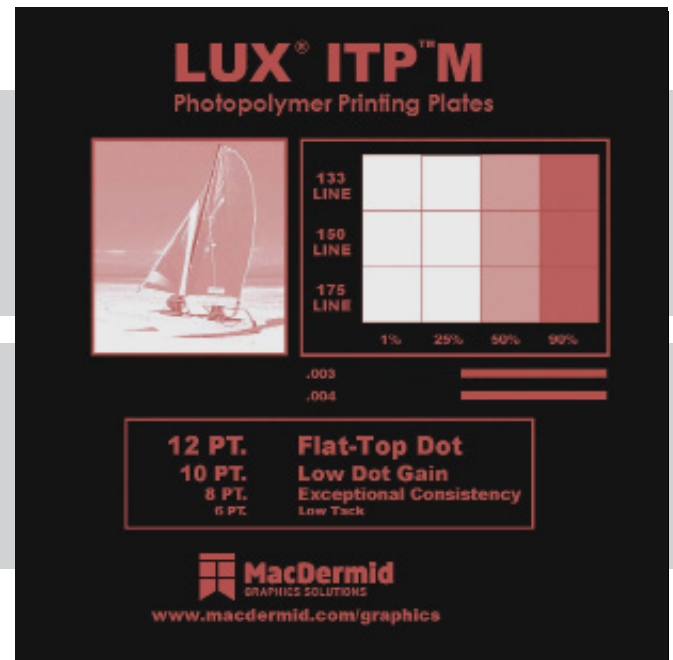


LUX[®] ITP[™] M

Photopolymer Plates



LUX[®] In-the-Plate[™]: Flat-Top Dots Right Out of the Box.

LUX[®] ITP[™] M is part of the award winning LUX[®] flat-top dot technology from MacDermid that provides all the benefits of LUX[®] Lamination, but with the convenience of flat-top dots right out of the box.

LUX[®] ITP[™] M is a medium durometer plate that offers 1:1 mask-to-plate imaging capability, thus eliminating or greatly reducing the need for a bump curve depending on line screen. Allowing printers to expand the available color gamut and print a smaller dot.





The medium durometer of LUX[®] ITP[™] M is specifically designed for paper stocks, preprinted liner board and other applications where a combination of high durability and excellent ink laydown is required. It has been designed to be processed in either solvent or LAVA[™] thermal processing systems.

When you're looking to take your game to the next level, count on the flat-top dot technology leader, MacDermid.

KEY FEATURES

- Flat-Top Dots with Standard Workflow
- Clean Print Technology
- Low Dot Gain
- Exceptional Consistency in Printing
- Outstanding Durability and Drape
- Extremely Low Tack
- Solvent or Thermal Processing

SEGMENTS

- Flexible Packaging 
- Tags and Labels 
- Folding Carton 
- Sacks, Paper, Multiwall 

LUX[®] ITP[™] M

Photopolymer Plates



TECHNICAL SPECIFICATIONS

LUX[®] ITP[™] M is available in thicknesses from 0.045" (1.14 mm) - .112" (2.84mm) and in sizes up to 50" x 80" (1,320 mm x 2,032 mm).

Please contact your MacDermid representative for details.

REPRODUCTION CAPABILITIES

Halftones: 1 - 99% at 175 lpi (59 lines/cm)
 Fine lines: 0.002 in. (0.05mm) width
 Isolated dots: 0.004 in. (0.10 mm) diameter

PLATE PROCESSING*

LUX[®] ITP[™] M can be processed in either solvent or LAVA[™] thermal processing systems. For solvent processing, use with SOLVIT[®] M100, SOLVIT[®] LO or SOLVIT[®] QD is recommended.

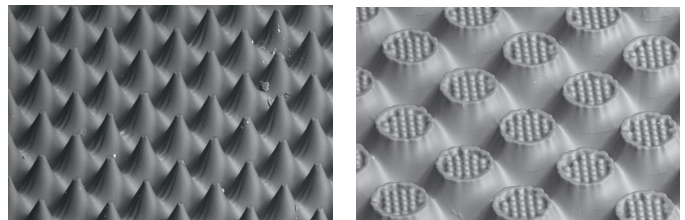
Processing times for any particular job are determined by equipment; consult your MacDermid representative for help in optimizing your plate processing.

INK/SOLVENT COMPATIBILITY

LUX[®] ITP[™] M plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 20% acetate. LUX[®] ITP[™] M is not recommended for oil-based inks, hydro-carbon solvents, or inks with acetate content higher than 20%.

APPLICATIONS

LUX[®] ITP[™] M is a digital sheet photopolymer for use in labels, folding carton, multi-wall bag, preprinted liner, flexible packaging and other flexo markets that require a medium durometer plate.



RECOMMENDED PROCESSING CONDITIONS*

GAUGE	DUROMETER	DESIRED RELIEF	BACK EXPOSURE ^{1,2}	FACE EXPOSURE ²	WASHOUT ³	DRY TIME	POST EXPOSURE ⁴	DETACK ⁵
(mil/mm)	(Shore A)	(mil/mm)	(mJ/cm ²) (sec)	(J/cm ²) (min)	(sec)	(min)	(min)	(min)
45/1.14	73	20	493 34	8.7 10	280	90	5	3
67/1.70	64	20	522 36	8.7 10	320	120	5	3
112/2.84	57	25	1885 130	8.7 10	500	120	5	3

*Contact your MacDermid representative for assistance in establishing proper processing conditions

1. Lamp intensity is 14.5 mW/cm²
2. Lamp intensity is 14.5 mW/cm²
3. SOLVIT[®] M100 washout times
4. Lamp intensity is 17m W/cm²
5. Lamp intensity is 10m W/cm²



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