



# LUX ITP™ M

## Photopolymer Plates



LUX ITP™

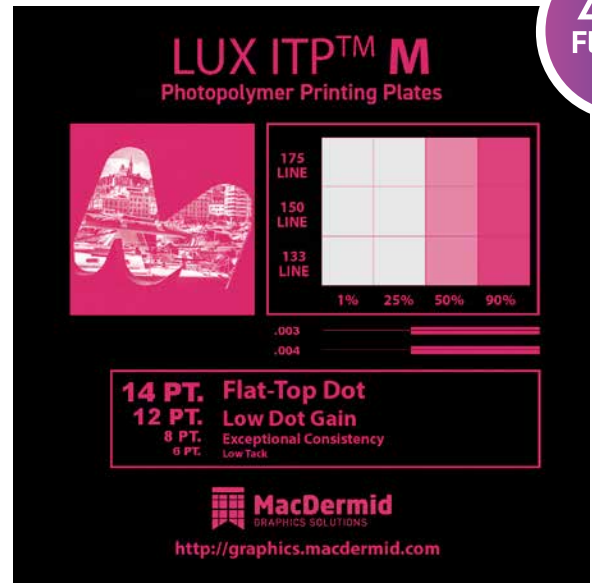
M

LUX ITP M is a medium durometer plate formulated with award-winning technology from MacDermid. LUX ITP features the convenience of flat-top dots right out of the box. No additional platemaking steps or equipment are needed to take advantage of the print quality and consistency that LUX flat-top dots provide.

LUX ITP M offers near 1:1 mask-to-plate imaging capability, thus eliminating or greatly reducing the need for a bump curve. Printers are thus able to expand the available color gamut and print a smaller dot.

LUX ITP M is a durable and extremely low tack plate, which is perfectly suited for long and clean running print jobs. The medium durometer of LUX ITP M is specifically developed for paper stocks, preprinted liner board and other applications where a combination of high durability and excellent ink laydown is required. It is designed to be processed in either solvent or LAVA® thermal processing systems.





When you are looking to elevate your print to the next level, count on the flat-top dot technology leader - MacDermid.



### KEY FEATURES & BENEFITS

- Flat-top dots directly in the plate
- Patented clean plate technology
- Near 1:1 mask-to-plate reproduction depending on line screen
- Low dot gain
- Exceptional consistency in printing
- Outstanding durability and drape
- Extremely low tack
- Solvent or thermal processing
- Compatible with UV LED exposure devices

### SEGMENTS

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

Elevate Your Print to the Next Level



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## Photopolymer Plates

### TECHNICAL SPECIFICATIONS

LUX ITP M is available in thicknesses of 0.045 in (1.14 mm) to 0.112 in (2.84 mm) and in sizes up to 50 in x 80 in (1,270 mm x 2,032 mm). Please contact your MacDermid representative for details.

#### REPRODUCTION CAPABILITIES

Halftones: 1-99% (175 lpi (69 lines/cm))

Fine lines: 0.002 in (0.05 mm) 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 or Solvit QD is recommended. Most other safe-solvent solutions may be used.

\*Processing times for any particular job and process are determined by equipment and other factors; 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 high durometer plate.

### RECOMMENDED PROCESSING CONDITIONS\*

GAUGE (mil/mm)	DUROMETER (Shore A)	DESIRED RELIEF (mil)	BACK EXPOSURE <sup>1,2</sup> (mJ/cm <sup>2</sup> ) (sec)		FACE EXPOSURE <sup>2</sup> (J/cm <sup>2</sup> ) (min)		WASHOUT <sup>3</sup> (sec)	DRY TIME (min)	POST EXPOSURE <sup>4</sup> (min)	DETACK <sup>5</sup> (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

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

1. Lamp intensity is 14.5 mW/cm<sup>2</sup>

2. Lamp intensity is 14.5 mW/cm<sup>2</sup>

3. Solvit M100 washout times

4. Lamp intensity is 17 mW/cm<sup>2</sup>

5. Lamp intensity is 10 mW/cm<sup>2</sup>



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