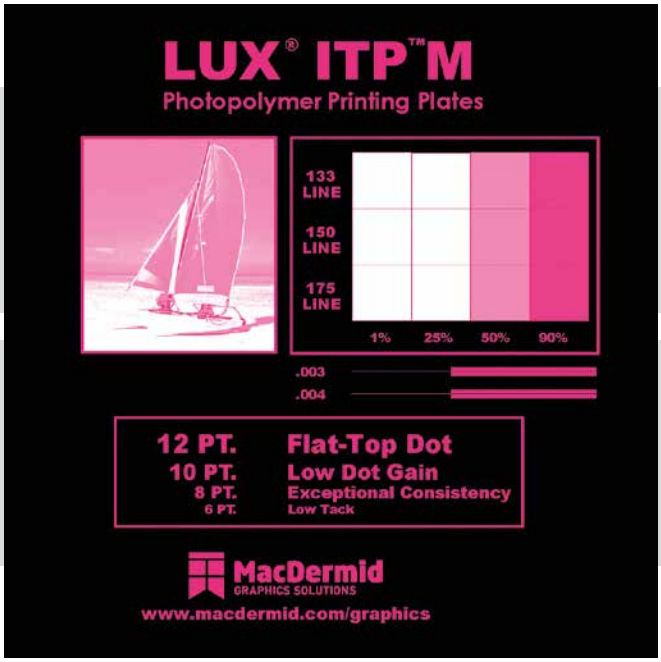
LUX® ITP™M

Photopolymer Plates



LUX ITP M:
Flat-Top Dots Right Out of the Box

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

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GRAPHICS SOLUTIONS

LUX® ITP™ M

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 (59 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.

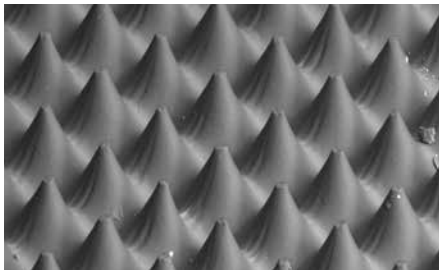
*Processing times for any particular job and process are determined by equipment and other factors; consult your MacDermid representative for help in optimizing your plate processing.

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 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)	(mJ/cm²)	(sec)	(J/cm²)	(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

*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 17 mW/cm2
5. Lamp intensity is 10 mW/cm2m)

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