LUX® ITP™ M

Photopolymer Plates

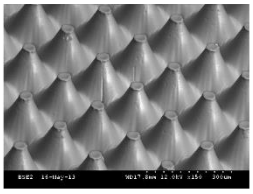
LUX® In-the-Plate™ Flat-Top Dots Right Out of the Box

LUX® ITP™ M is the newest addition to the award-winning technology from MacDermid that provides all the benefits of LUX® Lamination, but with 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.

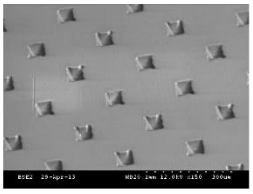
LUX® ITP™ M is a medium durometer plate that offers 1:1 mask-to-plate imaging capability, thus eliminating or greatly reducing the need for a bump curve. Printers are thus able to expand the available color gamut and print a smaller dot.

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 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.



5% at 150 lpi



90% at 150 lpi

Key Features

- Flat-top dots while using standard platemaking techniques
- 1:1 mask-to-plate reproduction
- Low dot gain
- Outstanding durability and drape
- Extremely low tack
- Solvent or thermal processing

Segments

Flexible Packaging

Folding Carton

Tags and Labels

Sacks, Paper, Multiwall

MacDermid GRAPHICS SOLUTIONS

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Technical Specifications

LUX® ITP™ M is available in thicknesses of 0.045" (1.14 mm) 0.067" (1.70 mm), 0.100" (2.54 mm), 0.107" (2.72mm) and 0.112" (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

Isolated Dots: 0.004 in. (0.10 mm) diameter
Fine lines: 0.002 in. (0.05mm) width
Halftones: 1 - 99% at 150 lpi (59 lines/cm)

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. Most other safe-solvent solutions may be used. Processing times for any particular job are determined by equipment; consult your MacDermid representative for help in optimizing your plate processing.

Recommended Processing Conditions*

Gauge	Durometer	Desired Relief	Back Exposure[1]		Face Exposure[2]		Wash Out[3]	Dry Time	Post Exposure[4]	Detack[5]
(mil/mm)	(Shore A)	(mil)	(J/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/cm²

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.

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