

+ Flexibility + Durability + Capability

Elevate Your Print
to the Next Level

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.

MacDermid Graphics Solutions delivers an unrivalled customer experience through technical expertise and constant innovation. Creating solutions that flex.

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

Creating
solutions
that flex.

For more information, please contact:

500 Chattahoochee Row NW Suite D, Atlanta, GA 30318
macdermidgraphics.com
404.696.4565



©2024 MacDermid, Inc. All rights reserved

+ LUX[®] ITP[™] M Photopolymer Plate

Elevate Your Print to the Next Level



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 LO 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, hydrocarbon 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	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/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

*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

MacDermid Graphics Solutions delivers an unrivalled customer experience through technical expertise and constant innovation. Creating solutions that flex.