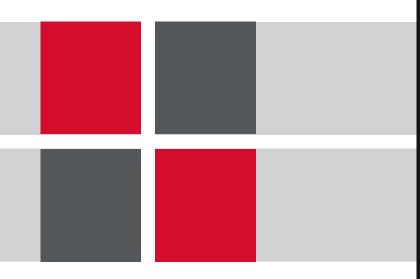
# LUX<sup>®</sup> ITP<sup>™</sup> M Photopolymer Plates



# LUX<sup>®</sup> In-the-Plate<sup>™</sup>: Flat-Top Dots Right Out of the Box.

**LUX<sup>®</sup> ITP<sup>™</sup> M** is part of the award wining LUX<sup>®</sup> flat-top dot technology from MacDermid that provides all the benefits of LUX<sup>®</sup> Lamination, but with the convenience of flat-top dots right out of the box.

LUX<sup>®</sup> ITP<sup>™</sup> 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<sup>®</sup> ITP<sup>™</sup> 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<sup>™</sup> 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

UX ITP M otopolymer Printing Plates

> Flat-Top Dot Low Dot Gain

cDermid

- 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<sup>®</sup> ITP<sup>™</sup> M Photopolymer Plates

#### **TECHNICAL SPECIFICATIONS**

**LUX<sup>®</sup> ITP<sup>™</sup> 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<sup>®</sup> ITP<sup>™</sup> M can be processed in either solvent or LAVA<sup>™</sup> thermal processing systems. For solvent processing, use with SOLVIT<sup>®</sup> M100, SOLVIT<sup>®</sup> LO or SOLVIT<sup>®</sup> QD is recommended.

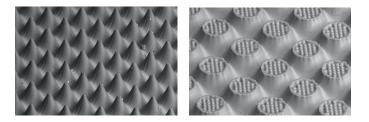
Processing times for any particular job are determined by equipment; consult your MacDermid representative for help in optimizing your plate processing.

#### INK/SOLVENT COMPATIBILITY

**LUX**<sup>®</sup> **ITP**<sup> $\operatorname{m}$ </sup> **M** plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 20% acetate. LUX<sup>®</sup> ITP<sup> $\operatorname{m}$ </sup> M is not recommended for oil-based inks, hydro-carbon solvents, or inks with acetate content higher than 20%.

#### APPLICATIONS

LUX<sup>®</sup> ITP<sup>™</sup> 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 <sup>1,2</sup>		FACE EXPOSURE <sup>2</sup>		WASHOUT <sup>3</sup>	DRY TIME	POST EXPOSURE⁴	<b>DETACK</b> <sup>5</sup>
(mil/mm)	(Shore A)	(mil/mm)	(mJ/cm <sup>2</sup> )	(sec)	(J/cm <sup>2</sup> )	(min)	(sec)	(min)	(min)	(min)
45/1.14	73	20	493	34	8.7	10	280	90	3	5
67/1.70	64	20	522	36	8.7	10	320	120	3	5
112/2.84	57	25	1885	130	8.7	10	500	120	3	5

'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 17m W/cm<sup>2</sup>

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



### FOR MORE INFORMATION, PLEASE CONTACT:

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