

+ Flexibility + Durability + Capability

One plate All applications

LUX ITP™

60

Creating  
solutions  
that flex.

The premier LUX ITP plate product is LUX ITP 60, a hard 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 60 is a 60 durometer plate that offers near 1:1 mask-to-plate imaging capability, thus eliminating the need for a bump curve. By removing the bump curve, printers are able to expand the available color gamut and print a smaller dot.

LUX ITP 60 is a durable and extremely low tack plate, which is perfectly suited for long and clean running print jobs. It is designed to be processed in either solvent or LAVA® thermal 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.

### Segments

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



**For more information, please contact:**

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# + LUX ITP 60 Photopolymer Plate

One plate all applications



## Technical Specifications

LUX ITP 60 is available in thicknesses of 0.045 in (1.14 mm) to 0.107 in (2.72 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 60 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 60 plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 20% acetate. LUX ITP 60 is not recommended for oil-based inks, hydro- carbon solvents, or inks with acetate content higher than 20%.

## Applications

LUX ITP 60 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 <sup>1,2</sup>		Face Exposure <sup>2</sup>		Washout <sup>3</sup>	Dry Time	Post Exposure <sup>4</sup>	Detack <sup>5</sup>
			(mJ/cm <sup>2</sup> )	(sec)	(J/cm <sup>2</sup> )	(min)				
(mil/m)	(Shore A)	(mil)	(mJ/cm <sup>2</sup> )	(sec)	(J/cm <sup>2</sup> )	(min)	(sec)	(min)	(min)	(min)
45/1.14	78	20	400	25	13.8	10	280	90	5	3
67/1.70	71	20	672	42	13.8	10	320	120	5	3
100/2.54 107/2.72	62	25	1280	80	13.8	10	320	120	5	3

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

1. Lamp intensity is 16 mW/cm<sup>2</sup>
2. Lamp intensity is 23 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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