



# Digital MAX

## Photopolymer Plates



### MAXimum Print Quality Processed in Solvent or Thermal Systems

**Digital MAX**  
Photopolymer Printing Plates

150 LINE  
133 LINE  
120 LINE

2% 25% 50% 90%

.003  
.004

14 PT.  
12 PT.  
8 PT.  
6 PT.

**Low Dot Gain  
Excellent Drape**  
Quick Imaging Plate  
Extremely Low Tack (Dry) Plate

**MacDermid**  
GRAPHICS SOLUTIONS

Digital MAX is a durable and high resolution hard plate from MacDermid. It gives the low gain needed for use with the highest resolution imaging and screening technologies, plus the durability and print latitude that make it easy to use on press.





Digital MAX has been designed to give you the maximum choice, including the capability to be processed in either solvent or thermally in MacDermid's LAVA processor. Digital MAX also works with a wide variety of substrates and ink. This 60 durometer plate has excellent drape characteristics, making it well suited for all applications including small diameter print cylinders.

When it comes to giving you a choice in plate processing, count on the company that innovates with you in mind -MacDermid.

### FEATURES & BENEFITS

- Solvent or thermal processing
- Excellent drape
- Low dot gain
- High resilience for clean running
- Extremely low tack plate

### SEGMENTS

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

Elevate Your Print to the Next Level



# Digital MAX

## Photopolymer Plates

### TECHNICAL SPECIFICATIONS

Digital MAX is available in thicknesses of 0.030 in (0.76 mm) - 0.112 in (2.84 mm) and in sizes up to 52 in x 80 in (1,320 mm x 2,032 mm). Please contact your MacDermid representative for details.

#### REPRODUCTION CAPABILITIES

Halftones: 0.030-0.112 in gauge (0.76 mm - 2.84 mm)  
1-98% at 200 lpi (79 l/cm)

Fine lines: 0.003 in (0.076 mm) width

Isolated dots: 0.005 in. (0.127 mm) diameter

Fine lines and isolated dots using 0.067 in (1.70 mm) plate

#### PLATE PROCESSING\*

Digital MAX can be processed in either solvent or thermal systems. For solvent processing, use with SOLVIT® M100, SOLVIT QD, 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

Digital MAX plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 20% acetate. Digital MAX is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate ester content higher than 20%.

### APPLICATIONS

Digital MAX 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 hard durometer plate.

### RECOMMENDED PROCESSING CONDITIONS\*

GAUGE (mil/mm)	DUROMETER (Shore A)	DESIRED RELIEF (mil/mm)	BACK EXPOSURE <sup>1,2</sup>		FACE EXPOSURE <sup>2</sup>		WASHOUT <sup>3</sup> (sec)	DRY TIME (min)	POST EXPOSURE <sup>4</sup> (min)	DETACK <sup>5</sup> (min)
			(mJ/cm <sup>2</sup> )	(sec)	(J/cm <sup>2</sup> )	(min)				
45/1.14	78	23/0.58	1025	70	8.8	10	300	90	5	5
67/1.70	71	24/0.61	1240	85	8.8	10	360	120	5	5
107/2.71	63	30/0.76	2480	170	8.8	10	450	150	5	5
112/2.84	63	30/0.76	2480	170	8.8	10	450	150	5	5

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

1. For thermally processed plates, back exposure is 30-50% less than for solvent processed plates

2. Lamp intensity 16mW

3. Solvit QD washout times

4. Lamp intensity 17 mW

5. Lamp intensity 10 mW



## MacDermid

GRAPHICS SOLUTIONS

<http://graphics.macdermid.com>

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