

# Digital MAX

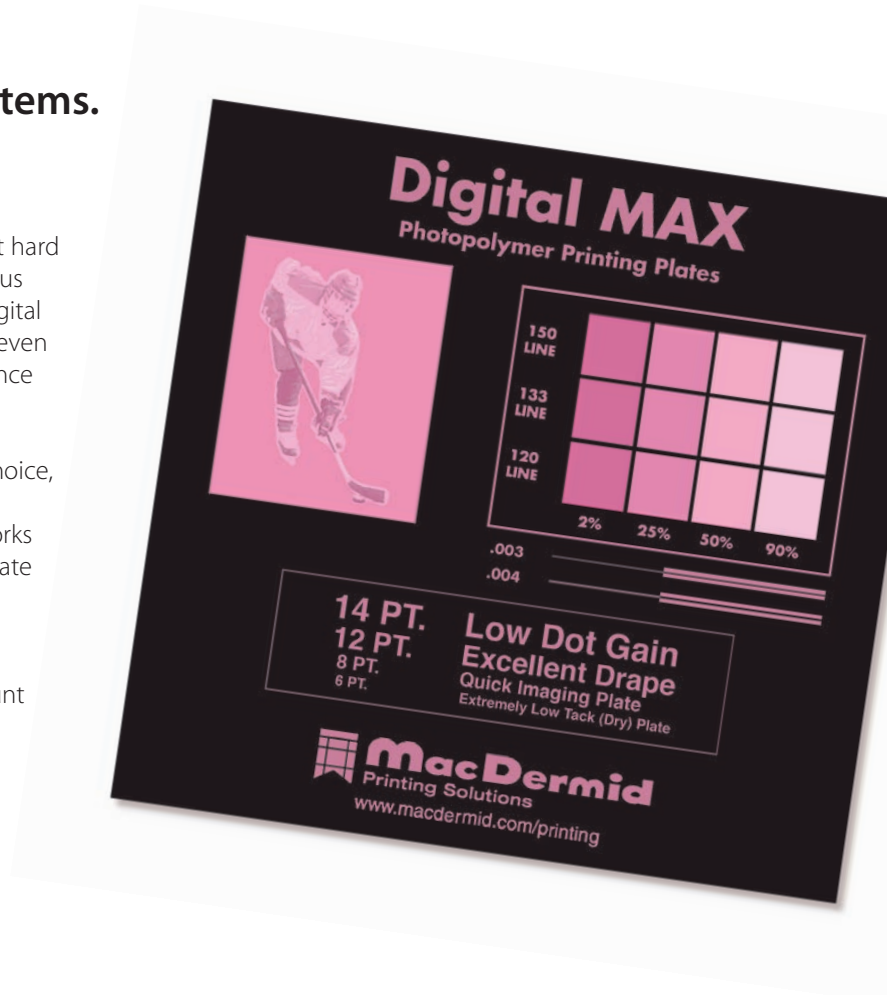
## Photopolymer Plates

### MAXimum Digital Print Quality Processed in Solvent or Thermal Systems. You Choose.

**Digital MAX** is the digital version of (analog) MAX, the newest hard plate from MacDermid. It delivers all of the benefits of MAX, plus the fine resolution and imaging capability expected from a digital photopolymer plate. And moving from an analog to digital is even easier because the plate's printing surface and high performance characteristics remain the same.

**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 says, "Yes We Can". MacDermid.



### Key Features

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

### Segments

Flexible Packaging



Folding Carton



Tags & Labels



Sacks, Paper, Multiwall



**YES WE CAN**<sup>SM</sup>

**MacDermid**  
Printing Solutions

# Digital MAX

## Photopolymer Plates

### Technical Specifications

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

### Reproduction capabilities

**Halftones:** 0.030-0.112" gauge (0.76mm – 2.84mm)  
1-98% at 200 lpi (79 l/cm)  
**Fine lines:** 0.003 in. (0.08mm) width  
**Isolated Dots:** 0.005 in. (0.13mm diameter)  
Fine lines and isolated dots using 0.067 (1.70mm) plate

### Plate processing\*

Digital MAX can be processed in either solvent or thermal systems. For solvent processing, use with SOLVIT® QD is recommended. Most other safe-solvent solutions may be used.

Processing times for any particular job are determined by equipment, copy requirements and plate thickness.

### Recommended Processing Conditions\*

| Gauge<br>(mil/mm) | Durometer<br>(Shore A) | Desired Relief<br>(mil/mm) | Back exposure <sup>1,2</sup> |           | Face Exposure <sup>2</sup> |           | Wash out <sup>3</sup><br>(seconds) | Post exposure <sup>4</sup><br>(minutes) | Detack <sup>5</sup><br>(minutes) | Dry (min) |
|-------------------|------------------------|----------------------------|------------------------------|-----------|----------------------------|-----------|------------------------------------|---|----------------------------------|-----------|
|                   |                        |                            | (mJ/cm <sup>2</sup> )        | (seconds) | (J/cm <sup>2</sup> )       | (minutes) |                                    |   |                                  |           |
| 45 / 1.14         | 78                     | 23 / 0.58                  | 1,025                        | 70        | 8.8                        | 10        | 300                                | 5                                       | 5                                | 90        |
| 67 / 1.70         | 71                     | 24 / 0.61                  | 1,240                        | 85        | 8.8                        | 10        | 360                                | 5                                       | 5                                | 120       |
| 107 / 2.71        | 63                     | 30 / 0.76                  | 2,480                        | 170       | 8.8                        | 10        | 450                                | 5                                       | 5                                | 150       |
| 112 / 2.84        | 63                     | 30 / 0.76                  | 2,480                        | 170       | 8.8                        | 10        | 450                                | 5                                       | 5                                | 150       |

\*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

## YES WE CAN<sup>SM</sup>

It takes more than innovative, high performance products and superior technical service to help our customers compete and win in today's global marketplace. It takes a total commitment to understanding their needs and the ability to provide the right solutions—every time.

When success is your only goal, trust the company that says "Yes We Can."

### 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 25% acetate. Digital MAX is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate ester content higher than 25%.

### 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.



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