

# MAX

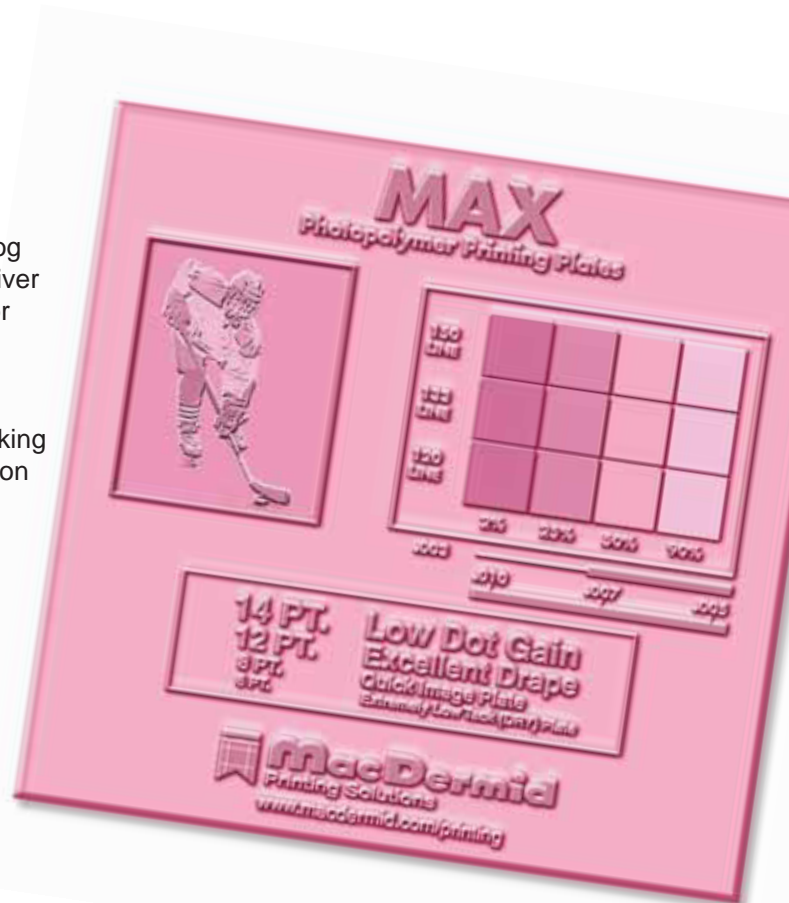
## Photopolymer Plates

### MAXimum Print Quality Spanning A Broad Range of Package Printing

**MacDermid MAX** is the newest and best performing hard, analog sheet photopolymer plate from MacDermid. It is designed to deliver the MAXimum print benefit - low dot gain in screen/process color printing with smooth ink lay down for bold solids.

**MAX** plates work well with a wide variety of substrates and ink. This 60 durometer plate has excellent drape characteristics, making it well suited for applications involving small diameter cylinders, on narrow web presses, MAX is also an extremely low tack plate, which allows long, clean running print performance.

For eye-popping highlights, from the smallest to largest repeat lengths, count on the company that says, "Yes We Can." MacDermid.



### Key Features

- Excellent drape
- Low dot gain
- High resilience for clean running
- Extremely low tack (dry) plate
- Quick imaging

### Segments

Flexible Packaging



Folding Carton



Tags & Labels



Sacks, Paper, Multiwall



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

 **MacDermid**  
Printing Solutions

# MAX

## Photopolymer Plates

### Technical Specifications

MAX is available in thicknesses of 0.030" (0.76mm) - 0.112" (2.84mm) and in sizes up to 52" x 80" (1.320mm x 2,032mm). Please contact your JV Imaging Solutions Account Manager for details.

### Reproduction capabilities

**Halftones:** 0.030-0.112" gauge (0.76mm - 2/84mm)  
1-95% at 175 lpi (69 lines/cm)

**Fine lines:** 0.002 in. (0.05mm) width

**Isolated Dots:** 0.003 in. (0.08mm diameter)

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

### Plate processing\*

Most save solvent solutions by be used.

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

### Recommended Processing Conditions\*

Gauge (mil/mm)	Durometer (Shore A)	Desired Relief (mil/mm)	Back exposure <sup>1</sup>		Face Exposure <sup>1</sup>		Wash out <sup>2</sup> (seconds)	Post exposure <sup>3</sup> (minutes)	Detack <sup>4</sup> (minutes)	Dry (min)
			(mJ/cm <sup>2</sup> )	(seconds)	(J/cm <sup>2</sup> )	(seconds)				
30 / 0.76	84	23 / 0.58	0	0	5.2-7.9	330-490	240	5	5	75
45 / 1.14	78	23 / 0.58	560	35	5.2-7.9	330-490	300	5	5	90
67 / 1.70	71	27 / 0.68	660	42	5.2-7.9	330-490	360	5	5	120
107 / 2.71	63	30 / 0.76	1,360	85	5.2-9.8	330-610	450	5	5	150
112 / 2.84	63	35 / 0.89	1,360	85	5.2-9.8	330-610	450	5	5	150

\*Contact your JV Imaging Solutions Account Representative for assistance in establishing proper processing conditions.

1. Lamp intensity 16mW
2. Washout times
3. Lamp intensity 17mW
4. Lamp intensity 10mW

### Ink/Solvent Compatibility

MAX plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 25% acetate. MAX is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate ester content higher then 25%.

### Applications

MAX is an analog 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.

**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 understand 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."

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