

# 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 innovates with you in mind. MacDermid.

#### Key Features

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

### Segments

Flexible Packaging



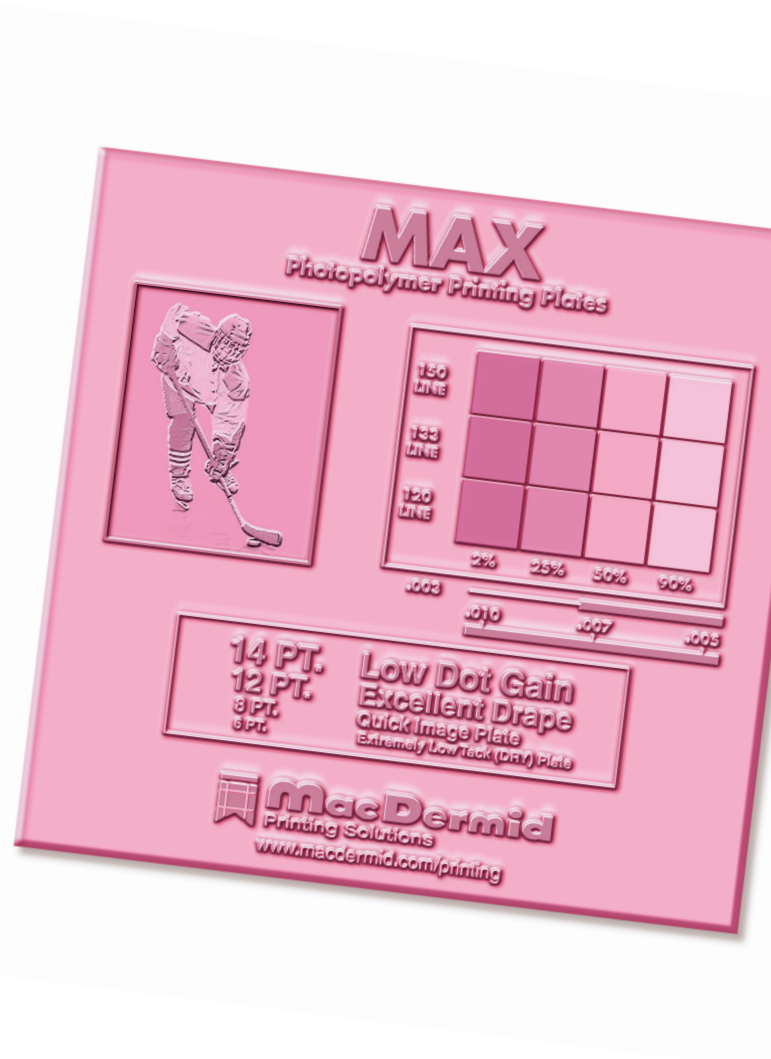
Folding Carton



Tags and Labels



Sacks, Paper, Multiwall



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## Photopolymer Plates

### Technical Specifications

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

#### Reproduction Capabilities

**Halftones:** 0.030-0.112" gauge (0.76 mm – 2.84 mm)  
1-95% at 175 lpi (69 lines/cm)  
**Fine lines:** 0.002 in. (0.05 mm) width  
**Isolated dots:** 0.003 in. (0.08 mm diameter)

#### Plate Processing\*

Use with SOLVIT® M100 or 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 (mil/mm)	Durometer (Shore A)	Desired Relief (mil)	Back Exposure <sup>1</sup>		Face Exposure <sup>1</sup>		Wash Out <sup>2</sup> (sec)	Dry Time (min)	Post Exposure <sup>3</sup> (min)	Detack <sup>4</sup> (min)
			(mJ/cm <sup>2</sup> )	(sec)	(J/cm <sup>2</sup> )	(sec)				
45/1.14	69	23	1020	64	4.8-8.6	300-540	360	90	5	5
67/1.70	59	25	1100	69	5.3-9.6	330-600	400	120	5	5
100/2.54	53	30	1580	99	5.8-10.6	360-660	420	150	5	5
107/2.71	52	32	1650	103	6.2-10.6	390-660	450	150	5	5
112/2.84	50	35	1740	109	6.7-11.5	420-720	450	150	5	5

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

1. Lamp intensity 16mW
2. Solvit QD washout times
3. Lamp intensity 17 mW
4. Lamp intensity 10 mW

### Ink/Solvent Compatability

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 than 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.



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