



MAX

Photopolymer Plates

MAXimum Print Quality Spanning a Broad Range of Package Printing

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

MacDermid MAX is the 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 & BENEFITS

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

SEGMENTS

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

Elevate Your Print to the Next Level

MAX

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 50" x 80"(1,270 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, SOLVIT® LO 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.

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 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.

RECOMMENDED PROCESSING CONDITIONS*

GAUGE	DUROMETER	DESIRED RELIEF	BACK EXPOSURE ^{1,2}		FACE EXPOSURE ²		WASH OUT ³	DRY TIME	POST EXPOSURE ³	DETACK ⁴
(mil/mm)	(Shore A)	(mil/mm)	(mJ/cm ²)	(sec)	(J/cm ²)	(min)	(sec)	(min)	(min)	(min)
30/0.76	84	23/0.58	0	0	5.2-7.9	330-490	240	75	5	5
45/1.14	78	23/0.58	560	35	5.2-7.9	330-490	300	90	5	5
67/1.70	71	27/0.68	660	42	5.2-7.9	330-490	360	120	5	5
107/2.71	63	30/0.76	1360	85	5.2-9.8	330-610	450	150	5	5
112/2.84	63	35/0.89	1360	85	5.2-9.8	330-610	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



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<http://graphics.macdermid.com>

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