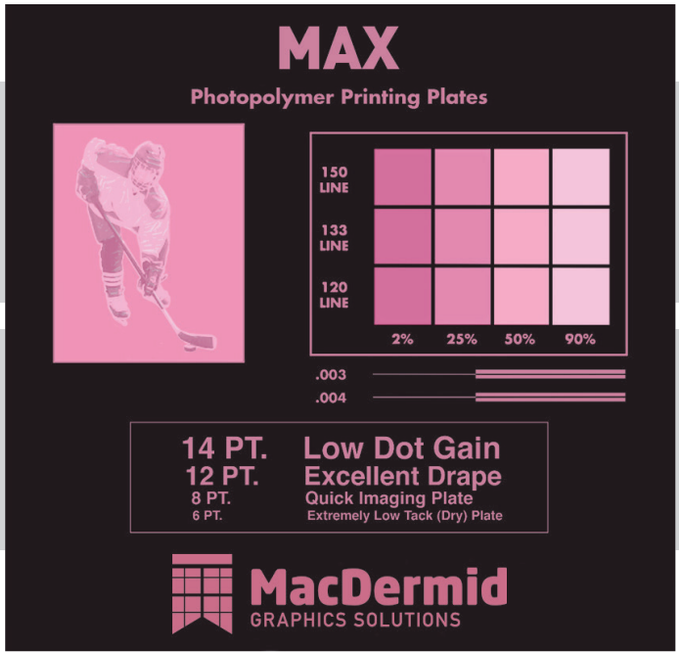
MAX

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

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GRAPHICS SOLUTIONS

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.

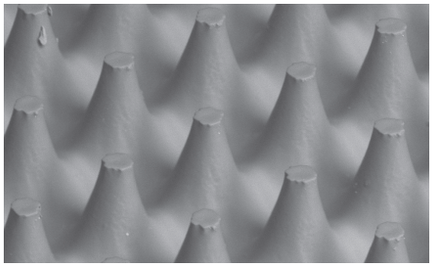
Processing times for any particular job are determined by equipment, copy requirements, and plate thickness.

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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