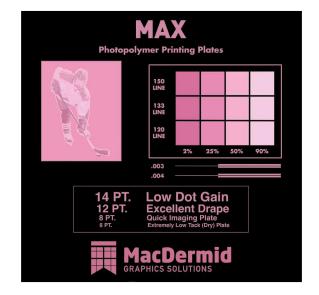


MAX Photopolymer Plates



MAXimum Print Quality Spanning a Broad Range of Package Printing

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 6



· Tags and Labels



Folding Carton



• Sacks, Paper, Multiwall





TECHNICAL SPECIFICATIONS

MAX is available in thicknesses of 0.030"(0.76 mm) - 0.112" (2.84 mm) and in sizes up to $50" \times 80"(1,270 \text{ mm} \times 2,032 \text{ mm})$. 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/cm²)	(sec)	(J/cm²)	(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

 $[\]hbox{*} \textbf{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

