

Digital MAX

Photopolymer Plates



Digital 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

MAXimum Digital Print Quality Processed in Solvent or Thermal Systems. You Choose.

Digital MAX is a durable and high resolution hard plate from MacDermid. It gives the low gain needed for use with the highest resolution imaging and screening technologies, plus the durability and print latitude that make it easy to use on press.





Digital MAX has been designed to give you the maximum choice, including the capability to be processed in either solvent or thermally in MacDermid's LAVA processor. Digital MAX also works with a wide variety of substrates and ink. This 60 durometer plate has excellent drape characteristics, making it well suited for all applications including small diameter print cylinders.

When it comes to giving you a choice in plate processing, count on the company that innovates with you in mind. MacDermid.

KEY FEATURES

- Solvent or thermal processing
- Excellent drape
- Low dot gain
- High resilience for clean running
- Extremely low tack (dry) plate

SEGMENTS

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

Digital MAX

Photopolymer Plates



TECHNICAL SPECIFICATIONS

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

REPRODUCTION CAPABILITIES

Halftones: 0.030-0.112" gauge (0.76mm - 2.84mm)
1-98% at 200 lpi (79 l/cm)

Fine lines: 0.003 in. (0.08mm) width

Isolated dots: 0.005 in. (0.13mm diameter)

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

PLATE PROCESSING*

Digital MAX can be processed in either solvent or thermal systems. For solvent processing, use with SOLVIT® M100, SOLVIT® LO or SOLVIT® QD is recommended. Most other safesolvent solutions may be used.

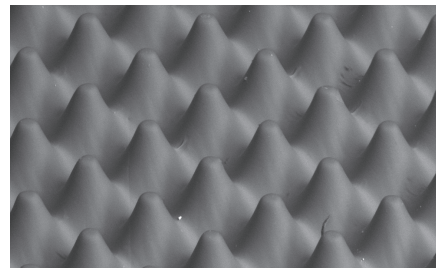
Processing times for any particular job are determined by equipment, copy requirements, and plate thickness.

INK/SOLVENT COMPATIBILITY

Digital MAX plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 20% acetate. Digital MAX is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate ester content higher than 20%.

APPLICATIONS

Digital MAX is a digital 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)
45/1.14	78	23/0.58	1025	70	8.8	10	300	90	5	5
67/1.70	71	24/0.61	1240	85	8.8	10	360	120	5	5
107/2.71	63	30/0.76	2480	170	8.8	10	450	150	5	5
112/2.84	63	30/0.76	2480	170	8.8	10	450	150	5	5

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

1. For thermally processed plates, back exposure is 30-50% less than for solvent processed plates

2. Lamp intensity 16mW

3. Solvit QD washout times

4. Lamp intensity 17 mW

5. Lamp intensity 10 mW



©2016 MacDermid, Inc. All rights reserved.

FOR MORE INFORMATION, PLEASE CONTACT:

USA

5210 Phillip Lee Drive
Atlanta, GA 30336

P 404.696.4565

macdermid.com/graphics

EUROPE

3 rue de l'Industrie - BP 30160
68702 Cernay Cedex, France

P +33 (0) 3 89 38 43 12