

Digital MAF

Photopolymer Plates



Digital MAF
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

The Best Performing Digital Corrugated Plate Available.

MacDermid's Digital MAF is the digital sheet photopolymer specifically designed to address all direct print corrugated board requirements.

Digital MAF has a dot profile that is optimized for post print corrugated, resulting in dramatically reduced fluting without the use of additional platemaking techniques or exposure systems. Digital MAF simply prints better; right out of the box.

For exceptional direct printing on corrugated board, count on the experts at MacDermid.

KEY FEATURES

- Lowest possible fluting with a digital plate;
- No extra steps necessary
- Reduced dot gain
- Faster press speeds
- Quick wash out
- Holds the finest detail in all plate thicknesses
- No cupping allows for uniform impression at all process speeds
- Chip resistant, tack free and extremely durable

SEGMENTS

- Corrugated

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TECHNICAL SPECIFICATIONS

Digital MAF is available in thicknesses of 0.112" (2.84mm) - 0.250" (6.35mm) in sizes up to 50" x 80". Please contact your MacDermid representative for details.

REPRODUCTION CAPABILITIES

	107-155 mil (2.72-3.94mm)	170-250 mil (4.32-6.35mm)
Halftones:	2-95% (120 lpi / 47 l/cm)	2-95% (100 lpi / 40 l/cm)
Fine lines:	0.003"/0.08mm	0.005"/0.13mm
Isolated dots:	0.008"/0.20mm	0.016"/0.41mm diameter

PLATE PROCESSING*

It is recommended that Digital MAF be processed with SOLVIT® M100 or SOLVIT QD. Most other safe-solvent solutions may be used.

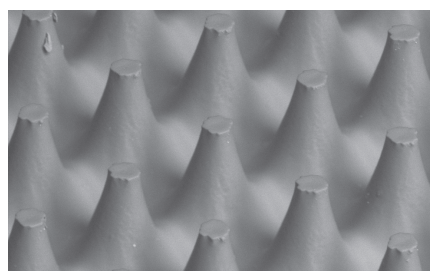
Processing times for any particular job and process are determined by equipment and other factors; consult your MacDermid representative for help in optimizing your plate processing.

INK/SOLVENT COMPATIBILITY

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

APPLICATIONS

Digital MAF is a sheet photopolymer with a dot profile optimized for post print corrugated and other flexo markets that require a soft durometer plate.



RECOMMENDED PROCESSING CONDITIONS*

GAUGE	DUROMETER	DESIRED RELIEF	BACK EXPOSURE ¹		FACE EXPOSURE ¹		WASH OUT ²	DRY TIME	POST EXPOSURE ³	DETACK ⁴
(mil/mm)	(Shore A)	(mil/mm)	(mJ/cm ²)	(sec)	(mJ/cm ²)	(min)	(sec)	(hrs)	(min)	(min)
112/2.84	38	55/1.40	1050	105	5,000-7,000	300-450	400	1.5-2	6	8
125/3.18	36	60/1.52	1350	135	5,000-7,000	300-450	400	1.5-2	6	8
155/3.94	34	70/1.78	950	95	5,000-7,000	300-450	450	2-2.5	6	8
250/6.35	32	125/3.18	2000	200	8,000-10,000	500-625	650	2-2.5	6	8

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

1. Lamp intensity 10.0 mW/cm² (UVA 340 - 380 nm)
2. Solvit QD washout times
3. Lamp intensity 6.0 mW/cm² (UVA 340 - 380 nm)
4. Lamp intensity 10.0 mW/cm² (UVC 220 - 300 nm)



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