



Digital RAVE

Photopolymer Plates



A Hard Digital Plate For Ultimate Quality Graphics

MacDermid Digital RAVE plates are the digital plates using advanced direct-to-plate technology, and developed using MacDermid's solvent processing system.

Our Digital RAVE plates' laser ablative mask improves dot shape and extends image latitude, while also eliminating sources for dust and light diffusion, resulting in increased plate quality and consistency. Printers can expect to achieve significant reductions in dot gain on press, with minimal tonal correction required in the screening process. Highly durable and reliable, Digital RAVE plates offer longer runs, less dot wear and reduced tack. Its high durometer reduces dot gain in screens and minimizes banding due to press bounce.

For exceptional direct-to-plate printing plates, count on the company that innovates with you in mind - **MacDermid**.

Digital Rave
Photopolymer Printing Plates

150 LINE
175 LINE

1% 25% 50% 95%

.003
.004

12 PT. HIGH DEFINITION
8 PT. DURABLE AND OZONE RESISTANT
6 PT. UV INK COMPATIBLE UV INK COMPATIBLE

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FEATURES & BENEFITS

- Increased image sharpness with finer highlights, crisp text and reverses
- Requires significantly less dot gain correction
- Ozone-resistant
- Easy to handle and process

SEGMENTS

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

Elevate Your Print to the Next Level



Digital RAVE

Photopolymer Plates

TECHNICAL SPECIFICATIONS

Digital RAVE is available in thicknesses of 0.045 in (1 mm) up to 0.112 in (3 mm) and in sizes up to 52 in x 80 in (1,320 mm x 2,032 mm). Please contact your MacDermid representative for details.

REPRODUCTION CAPABILITIES

Halftones: 1-98% at 200 lpi (79 lines/cm)

Fine lines: 0.003 in (0.076 mm) width

Isolated dots: 0.005 in. (0.127 mm) diameter

PLATE PROCESSING*

Digital RAVE can be processed in solvent systems using with SOLVIT® M100, SOLVIT LO or SOLVIT QD is recommended. 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 RAVE photopolymer is compatible with UV, alcohol, water, and glycol based inks. It is not recommended for use with oil based inks or hydrocarbon solvents.

APPLICATIONS

Digital RAVE and other MacDermid digital photopolymer plates are recommended for high-quality, high linescreen printing on film and paper. Digital RAVE is used to print preprinted linerboard, folding cartons, flexible packaging, and tags and labels.

RECOMMENDED PROCESSING CONDITIONS*

GAUGE (in/mm)	BACK EXPOSURE (sec)	FACE EXPOSURE (min)	WASHOUT (min)	POST EXPOSURE (min)	FINISHING (min)
.45/1.14	60-100	10-16	4-6	5-10	5-10
.67/1.70	80-120	10-16	4-6	5-10	5-10
.107/2.71	240-260	10-16	4-6	5-10	5-10
.112/2.84	240-260	10-16	4-6	5-10	5-10



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