

Digital EPIC®

Photopolymer Plates

The Only Capped Digital Plate For High End, Full-Color Process Printing

MacDermid Digital EPIC® is designed to meet the requirements of high end, full-color process printing, providing imaging characteristics that enable flexo to match the quality of offset or gravure printing.

Digital EPIC offers a micro-rough surface texture with excellent ink transfer for challenging flexo printing applications or unique ink requirements. The cap layer also adds an extra benefit to imaging by ensuring that the resulting plate gives you the best tonal range possible. And because it is wear resistant, you are guaranteed long run durability on press.

For truly innovative high-end capped digital printing plates, count on the company that innovates with you in mind. MacDermid.

Key Features

- Excellent imaging with very low dot gain
- A balanced plate surface for low image gain and exceptional solids coverage
- Incredible durability
- Runs clean time and time again

Segments

Flexible Packaging



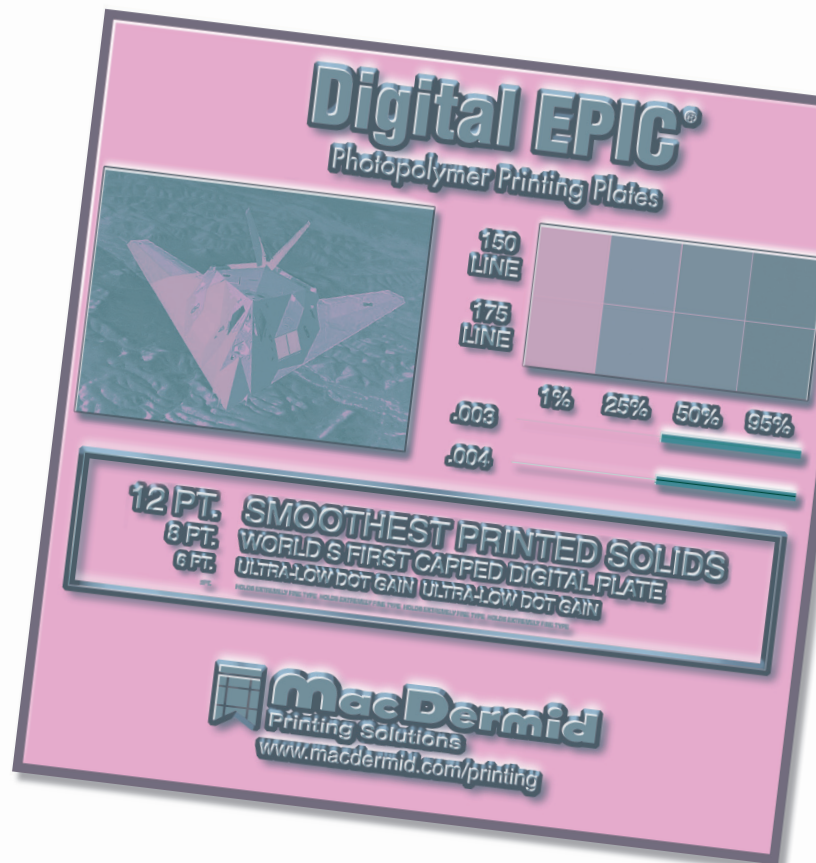
Folding Carton



Tags and Labels



Sacks, Paper, Multiwall



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Technical Specifications

Digital EPIC® is available in thickness of 0.045" - 0.107" and in sizes up to 52" x 80". Please contact your MacDermid representative for details.

Digital EPIC has a hardness of 50 Shore A.

Reproduction Capabilities

Halftones: 0.5 - 99% at 200 lpi (80 lines/cm)

Fine lines: 0.001 in. (0.025 mm) width

Isolated dots: 0.005 in. (0.127 mm) diameter

Plate Processing

Use with SOLVIT® M100 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.

<u>Recommended times</u>	<u>.045"</u>	<u>.067"</u>	<u>.107"</u>
Back exposure (sec.)	60-80	20-30	80-100
Face exposure (min.)	12-25	12-25	12-25
Washout (min.)	6	6	6
Drying (min.)	60	60	60
Post exposure (min.)	10	10	10
Finishing (min.)	10	10	10

Ink/Solvent Compatibility

Digital EPIC photopolymer is compatible with UV, alcohol, water, and glycol based inks. Digital EPIC is not recommended for use with oil-based inks or hydrocarbon solvents.

Applications

Digital EPIC is recommended for high quality printing on film and preprint liner, particularly for process color. Digital EPIC can also be used successfully in other applications such as high quality labels and folding cartons.



For more information, please contact:

USA
5210 Phillip Lee Drive
Atlanta, GA 30336
Phone: 404.696.4565

Europe
3 rue de l'Industrie - BP 30160
68702 Cernay Cedex, France
Phone: +33 (0) 3 89 38 43 12

www.macdermid.com/printing