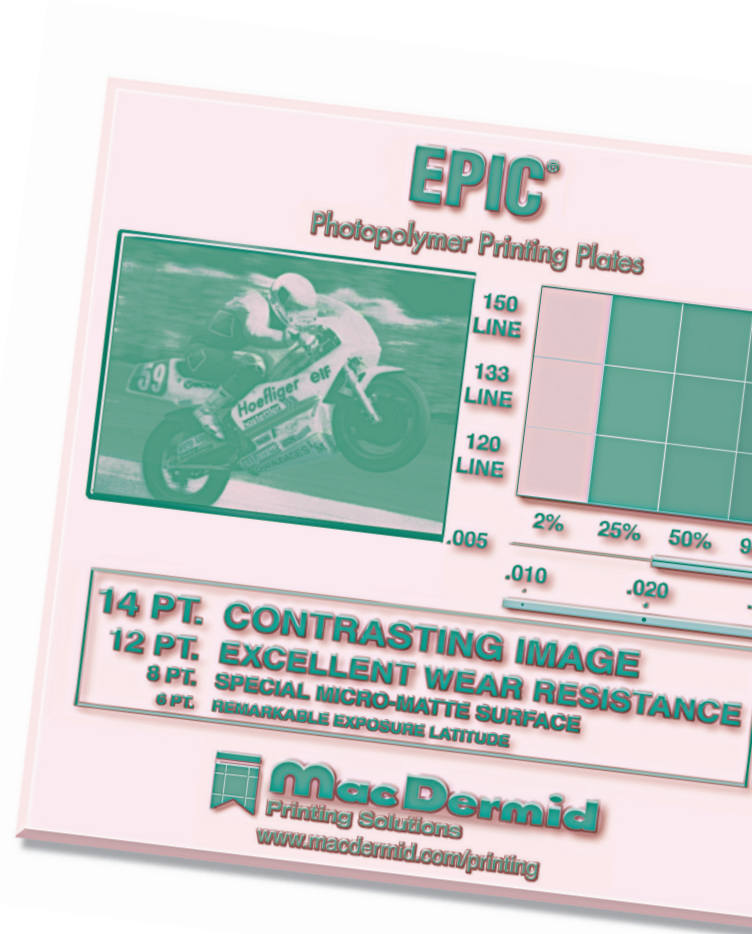


The Industry Standard For Capped Plates

MacDermid EPIC® photopolymer plates are the plates printers rely on most to meet their high-resolution process color printing demands.

Our EPIC plates offer a proprietary print surface and carefully balanced physical properties to provide excellent graphic reproduction, while offering better wear resistance. MacDermid EPIC plates' unique, micro-rough surface texture provides excellent ink transfer for smooth and bold solids, and because they offer the widest exposure latitude of any photopolymer plates available, you no longer need to guess the proper exposure time for line copy printing, process color or combinations of both.

For bold solids and excellent tonal range, count on the company that innovates with you in mind. MacDermid.



Key Features

- Exceptional exposure latitude requiring no masking
- Excellent ink transfer ensuring smoother solids with no pinholes
- Improved wear resistance for longer runs
- Clean printing with fewer stops for plate clean up
- Fast and accurate mounting

Segments

Flexible Packaging



Folding Carton



Tags and Labels



Sacks, Paper, Multiwall



Photopolymer Plates

Technical Specifications

EPIC® is available in thicknesses of 0.030" – 0.112" and in sizes up to 52" x 80". Please contact your MacDermid representative for details.

EPIC has a hardness of 50 Shore A.

Reproduction Capabilities

Halftones: 1-98% at 150 lpi (60 lines/cm)

Fine lines: 0.003 in. (0.076 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.

Recommended Processing Conditions*

Gauge (mil/mm)	Durometer (Shore A)	Desired Relief (mil/mm)	Back Exposure ¹		Face Exposure ¹		Wash Out ² (sec)	Dry Time (min)	Post Exposure ³ (min)	Detack ⁴ (min)
			(mJ/cm ²)	(sec)	(J/cm ²)	(sec)				
0.045/1.14	71	22-25	1350-1500	120-135	5.3-17.2	8-26	240	90	8-10	6-10
0.067/1.70	62	22-25	350-400	30-35	5.3-17.2	8-26	300	90	8-10	6-10
0.107/2.71	53	30-35	1150-1250	110-110	5.3-17.2	8-26	360	90-120	8-10	6-10

* 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

Ink/Solvent Compatibility

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

Applications

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



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