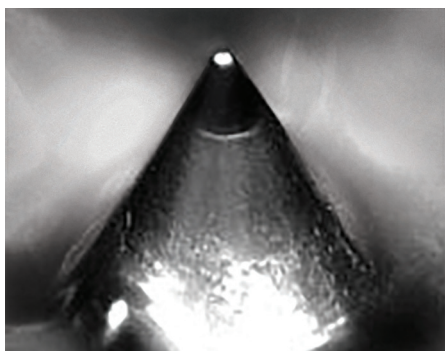


DuPont™ Cyrel® EASY FAST EFM

Built-In Flat Top Dot, High Ink Transfer Digital Plate



DuPont™ Cyrel® EASY FAST EFM



Cyrel® EASY with Built-In Flat Top Dot

[DuPont Advanced Printing](#) brings together leading technologies and products for the printing and package printing industries. DuPont™ Cyrel® is one of the world's leading flexographic platemaking systems in digital and conventional formats, including [DuPont™ Cyrel®](#) brand photopolymer plates ([analogue and digital](#)), [Cyrel® platemaking equipment](#), [Cyrel® round sleeves](#), Cyrel® plate mounting systems and the revolutionary [Cyrel® FAST thermal system](#).

DuPont™ Cyrel® EASY Plates: Color complexity, workflow simplicity.

DuPont™ Cyrel® EASY FAST EFM is the built-in flat top dot, thermal processed plate designed for paper substrate printing with excellent ink transfer capability on both coated and uncoated paper. Cyrel® EASY FAST EFM has a smooth surface which is ideally suited for the micro-screening of solids, exceptionally high solid ink density and low dot gain.

DuPont™ Cyrel® EASY FAST EFM

Applications

- Flexible packaging
- Tag and Label
- Envelopes
- Carrier bags
- Folding cartons
- Pre-print liner
- Beverage cartons

- High exposure resolution that yields better quality reproduction
- Exceptional exposure latitude
- Excellent thickness uniformity
- Less make-ready time

Printing Ink and Solvent Compatibility

Cyrel® EASY FAST EFM offers excellent compatibility with solvent-based, water-based inks and UV inks.

Platemaking

The Cyrel® FAST thermal developer allows the production of Cyrel® FAST finished plate in less than one hour, making it the ideal just-in-time platemaking system for a market that demands quick turnaround at the highest possible quality. The Cyrel® FAST thermal developer delivers outstanding plate quality and uniformity. This processor has the ability to produce a finished plate without solvent washout. The Cyrel® EC/LF for exposing and light finishing plate is available to complement the Cyrel® FAST thermal developer.

Product Features

- Built-in flat top dot maximizes the ink transfer and printing durability
- Simplified workflow results in higher consistency
- Excellent ink transfer permits improved solid ink density and reduced mottling
- Wide substrate printing latitude to allow delivery of high quality printing on both coated and uncoated paper

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Process of Use

DuPont™ Cyrel® EASY FAST EFM is designed to work with Cyrel® FAST thermal platemaking. Expose the plate through the back to establish the floor and maximize sensitivity. Back exposure varies according to relief required. Remove the protective coversheet and image the plate with the Cyrel® Digital Imager (CDI). Expose the front of the plate surface. Process the plate in the Cyrel® FAST thermal developer. Finish the plate in a light finisher to eliminate surface tackiness. Post-expose the plate to ensure complete polymerization.

Mounting

Microdot mounting devices are recommended for mounting Cyrel® EASY FAST EFM plates. The double sided adhesive should first be applied to the cylinder or sleeve – not the plate – to ensure easier and precise laydown. The polyester base will maintain accurate register even with large plates.

Storage – Raw Material

Store unexposed plates away from direct sources of heat (4-32° C, 40-90° F). Humidity control is not required. Cyrel® EASY FAST EFM is foam interleaved to provide maximum protection of the plate after manufacture and during transportation and storage. Plates should be stacked flat. Plates should not be exposed to direct sunlight or excessive white light. Continuous exposure to very high ozone concentrations should be avoided.

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Handling – Raw Material

Like all photopolymer plates, Cyrel® EASY FAST EFM plates should be handled under UV free light; e.g., fluorescent tubes covered with amber sleeves.

Storage – Finished Plates

After printing, plates should be thoroughly cleaned with compatible solvent before storing. They may be stored on cylinders, sleeves or demounted and stored flat. Detailed guidelines for handling and storage are available through your sales representative.

Technical Data				
	Cyrel® EASY FAST EFM 45 Thickness 0.045 inch/1.14 mm	Cyrel® EASY FAST EFM 67 Thickness 0.067 inch/1.70 mm	Cyrel® EASY FAST EFM 100 Thickness 0.10 inch/2.54 mm	Cyrel® EASY FAST EFM 112 Thickness 0.112 inch/2.84 mm
Durometer	73 Sh A	65 Sh A	56 Sh A	55 Sh A
Image Reproduction	1-98% @ 190 LPI - 75 L/cm	1-98% @ 190 LPI - 75 L/cm	1-98% @ 137 LPI - 54 L/cm	1-98% @ 137 LPI - 54 L/cm
Minimum Positive Line Width	0.15 mm (6 mil)	0.15 mm (6 mil)	0.15 mm (6 mil)	0.15 mm (6 mil)
Minimum Isolated Dot Size	0.15 mm (150 micron)	0.15 mm (150 micron)	0.15 mm (150 micron)	0.15 mm (150 micron)
Max. Relief Depth	0.55 mm (0.022")	0.65 mm (0.026")	0.80 mm (0.031")	0.90 mm (0.035")

For more information on DuPont™ Cyrel® or other DuPont Advanced Printing products, please contact your local representative.

DuPont China Holding Co., LTD – Shanghai
Bldg 11, 399 Keyuan Road,
Zhangjiang Hi-Tech Park,
Pudong New District,
Shanghai 201203 China
Tel: (86) 21 3862 2888

DuPont Malaysia Sdn Bhd
Level 7, Menara CIMB, Jalan Stesen Sentral 2,
Kuala Lumpur Sentral,
50490 Kuala Lumpur, Malaysia
Tel: (60) 3 2859 0700

DuPont K.K. – Japan
Sanno Park Tower, 11-1,
Nagata-cho 2-chrome,
Chiyoda-ku, Tokyo 100-6111, Japan
Tel: (81) 3 5521 8520

DuPont Australia, LTD
Level 2, 785 Toorak Road,
Hawthorn East, 3123,
Victoria, Australia
Tel: (61) 3 9935 5699

E.I. DuPont India Private Limited
E.I. DuPont India Private Limited
81,82,83, 8th floor, 2 North Avenue
Maker Maxity, Bandra Kurla Complex
Bandra (East)
Mumbai 400 051
Tel: (91) 22 40716000