

DuPont™ Cyrel® EASY ESM

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

Applications

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



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

Product Features

- Medium durometer built-in flat top dot plate
- Vastly improved printing durability and consistency
- Excellent ink transfer permits improved ink laydown in solids and reduced mottling
- Wide substrate printing latitude to allow delivery of high quality printing on both coated and uncoated paper
- High exposure resolution that yields better quality reproduction
- Excellent thickness uniformity
- Less make ready time

Printing Ink and Solvent Compatibility

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

Process of Use

Expose the plate through the back to establish the floor and maximize sensitivity. Back exposure varies according to the 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® solvent processor to remove unexposed polymer. Finish the plate in a light finisher to eliminate surface tackiness. Post-expose the plate to ensure complete polymerization.

Mounting

Cyrel® Microflex mounting devices are recommended for mounting Cyrel® EASY ESM 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 ESM 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 sunlight or non-filtered white light. Continuous exposure to very high ozone concentrations should be avoided.

Handling – Raw Material

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

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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. Plates should not be exposed to sunlight or non-filtered white light. Detailed guidelines for handling and storage are available through your sales representative.

Sizes Available	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth
Cyrel® EASY ESM 45	1.14 mm (0.045")	71 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.10 mm (100 micron)	0.60 mm (0.024")
Cyrel® EASY ESM 67	1.70 mm (0.067")	63 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.10 mm (100 micron)	0.70 mm (0.028")
Cyrel® EASY ESM 100	2.54 mm (0.10")	56 Sh A	1-98% @ 137 lpi (54 L/cm)	0.10 mm (4 mil)	0.15 mm (150 micron)	0.90 mm (0.035")
Cyrel® EASY ESM 112	2.84 mm (0.112")	55 Sh A	1-98% @ 137 lpi (54 L/cm)	0.10 mm (4 mil)	0.15 mm (150 micron)	0.90 mm (0.035")

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.

For more information on DuPont™ Cyrel® or other DuPont products, please visit our website.

