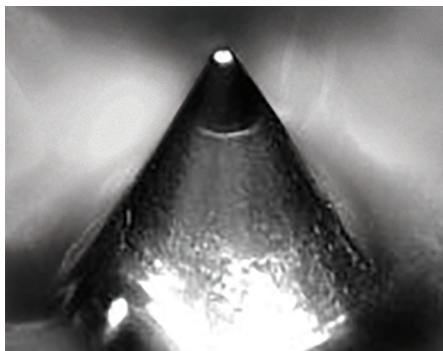


DuPont™ Cyrel® EASY ESM

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



DuPont™ Cyrel® EASY ESM



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 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.

DuPont™ Cyrel® EASY ESM

Applications

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

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.

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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.

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.

www.cyrel.eu

Technical Data				
	Cyrel® EASY ESM 45 Thickness 0.045 inch/1.14 mm	Cyrel® EASY ESM 67 Thickness 0.067 inch/1.70 mm	Cyrel® EASY ESM 100 Thickness 0.10 inch/2.54 mm	Cyrel® EASY ESM 112 Thickness 0.112 inch/2.84 mm
Durometer	71 Sh A	63 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	0.10 mm (4 mil)	0.10 mm (4 mil)	0.10 mm (4 mil)	0.10 mm (4 mil)
Minimum Isolated Dot Size	0.10 mm (100 micron)	0.10 mm (100 micron)	0.15 mm (150 micron)	0.15 mm (150 micron)
Max. Relief Depth	0.60 mm (0.024")	0.70 mm (0.028")	0.90 mm (0.035")	0.90 mm (0.035")

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

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