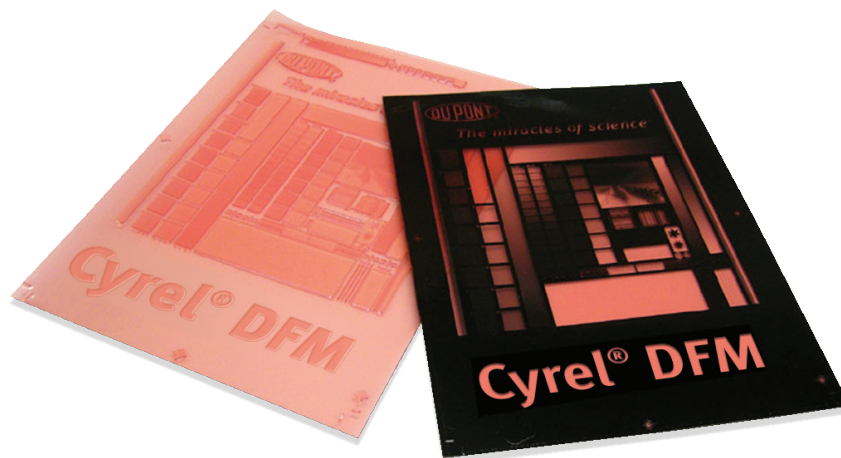


DuPont™ Cyrel® FAST DFM

Medium Durometer High Resolution Digital Plate

Applications

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



Cyrel® DFM is a medium durometer plate for the FAST thermal platemaking process designed to meet the needs of high quality flexo with fine halftone, linework and solids.

Product Features

- Extremely rapid access time—thanks to thermal plate processing without drying
- Excellent ink transfer permits superior printing uniformity
- Higher durability for long print runs
- High exposure resolution results in better quality reproduction
- Image relief is clean and sharp
- Exceptional thickness uniformity—No plate swelling during platemaking
- Less make ready time on press
- High resistance to ozone and white light results in excellent storage flexibility

Printing Ink and Solvent Compatibility

Cyrel® DFM offers excellent compatibility with UV, solvent-based and water-based inks

Platemaking

The Cyrel® FAST thermal developer allows the production of Cyrel® FAST finished plates in less than one hour, making it the ideal just-in-time platemaking system for a market that demands quick turnaround and high 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 plates is available to complement the Cyrel® FAST thermal developer.

Process of Use

DuPont™ Cyrel® DFM is designed to work with Cyrel® FAST thermal platemaking. Expose the plate through the back to establish the floor and minimize 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® DFM 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.

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Medium Durometer High Resolution Digital Plate

Storage–Raw Material

Store unexposed plates in a cool area (4–32°C, 40–90°F), away from direct sources of heat. Humidity control is not required. Cyrel® DFM 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.

Handling–Raw Material

Like all photopolymer plates, Cyrel® DFM 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.

Sizes Available	Thickness	Durometer	Image Reproduction	Minimum Positive Line Width	Minimum Isolated Dot Size	Max. Relief Depth
Cyrel® DFM 45	0.045"	70 Sh A	1–98% @ 175 lpi (70 L/cm)	3 mil (0.075 mm)	5 mil	0.023" (0.58 mm)
Cyrel® DFM 67	0.067"	58 Sh A	1–98% @ 175 lpi (70 L/cm)	3 mil (0.075 mm)	5 mil	0.023" (0.58 mm)
Cyrel® DFM 100	0.100"	48 Sh A	1–98% @ 150 lpi (60 L/cm)	4 mil (0.100 mm)	6 mil	0.025" (0.63 mm)
Cyrel® DFM 107	0.107"	48 Sh A	1–98% @ 150 lpi (60 L/cm)	4 mil (0.100 mm)	6 mil	0.025" (0.63 mm)
Cyrel® DFM 112	0.112"	48 Sh A	1–98% @ 150 lpi (60 L/cm)	4 mil (0.100 mm)	6 mil	0.025" (0.63 mm)

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 (analog and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.



cyrel.eu

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

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