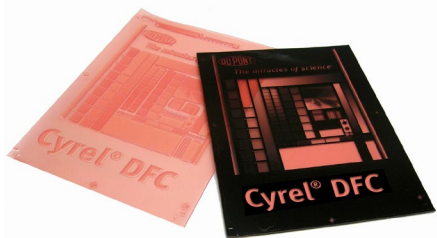


DuPont™ Cyrel® FAST DFC

The Low Durometer Cyrel® FAST Digital Plate for the White Plate Market



DuPont™ Cyrel® DFC

[DuPont Packaging Graphics](#) continues to be a global technology leader in the development and supply of flexographic printing systems. Our R&D team continues to develop innovative new solutions to help our customers expand their business by taking advantage of new and profitable opportunities in the growing flexographic packaging market. The DuPont Packaging Graphics portfolio of products includes 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](#).

DuPont™ Cyrel® Systems: Higher quality at high speed.

DuPont™ Cyrel® FAST DFC is a low durometer digital Cyrel® FAST plate which has been introduced especially for the needs of the flexible packaging printer who is looking to achieve high opacity and low mottle while minimizing white ink consumption.

DuPont™ Cyrel® FAST DFC

Applications

- White ink application in flexible packaging printing

Product Features

- Excellent ink transfer permits superior printing uniformity
- High exposure resolution results in better quality reproduction
- Image relief is clean and sharp
- High resistance to ozone and white light results in excellent storage capability
- Low durometer reduces press bounce in high speed flexible packaging presses
- High resolution holds surface screening well for maximum white ink transfer

Printing Ink and Solvent Compatibility

Cyrel® FAST DFC offers excellent compatibility with waterbased inks. Due to the aggressive nature of some blends, DFC is recommended as a single-use plate when printing white ink for flexible packaging.

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 at the highest possible quality. The Cyrel® FAST processor produces finished plates without solvents or processing liquids of any kind. The Cyrel® EC/LF unit for exposing and light finishing plates is available to complement the Cyrel® FAST thermal developer.

PRELIMINARY



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Process of Use

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 a Cyrel® Digital Imager (CDI). Expose the front of the plate surface. Process the plate in a Cyrel® FAST thermal developer. Finish the plate in a light finisher to eliminate surface tackiness.

Storage – Raw Material

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

DuPont™ Cyrel® FAST DFC 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 a compatible solvent before storing. They may be stored on cylinders, sleeves or demounted and stored flat.

Technical Data	Cyrel® DFC 045 Thickness 0.045" 1.14 mm	Cyrel® DFC 067 Thickness 0.067" 1.70 mm	Cyrel® DFC 107 Thickness 0.107" 2.72 mm
Durometer	41 Sh A	39 Sh A	38 Sh A
Image Reproduction	1–98% @ 120 LPI – 48 L/cm	1–98% @ 120 LPI – 48 L/cm	1–98% @ 120 LPI – 48 L/cm
Minimum Positive Line Width	5 mil/0.125 mm	5 mil/0.125 mm	5 mil/0.125 mm
Minimum Isolated Dot	250 µm	250 µm	250 µm
Relief Depth	0.020" 0.50 mm	0.020" – 0.025" 0.50 – 0.65mm	0.025" – 0.039" 0.65 – 1.00 mm

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

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