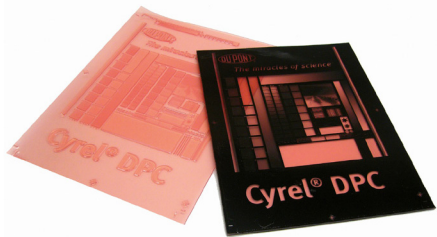


DuPont™ Cyrel® DPC

The Low Durometer Digital Plate for the Corrugated Market



DuPont™ Cyrel® DPC

[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](#).

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

DuPont™ Cyrel® DPC is a soft digital plate which has been developed especially for the corrugated market. Highest quality results are achieved on any type of corrugated board using water-based inks.

DuPont™ Cyrel® DPC

Applications

- Corrugated post-print
- Sacks
- Rough paper surfaces

Product Features

- Excellent ink transfer permits superior printing uniformity
- High exposure resolution results in better quality reproduction
- Image relief is clean and sharp
- Exceptional exposure latitude allows single exposure without masking
- Excellent thickness uniformity
- Less make ready time
- High resistance to ozone and white light results in excellent storage capability

Printing Ink and Solvent Compatibility

Cyrel® DPC offers excellent compatibility with waterbased inks.

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® solvent processor to remove unexposed polymer. 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® DPC is foam interleaved to provide maximum protection of the plate after manufacture, and during transportation and storage.



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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® DPC 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® DPC 112 Thickness 0.112"/2.84 mm	Cyrel® DPC 125 Thickness 0.125"/3.18 mm	Cyrel® DPC 155 Thickness 0.155"/3.94 mm	Cyrel® DPC 250 Thickness 0.250"/6.35 mm
Durometer	38 Sh A	37 Sh A	36 Sh A	35 Sh A
Image Reproduction	1-98% @ 120 LPI – 48 L/cm	1-98% @ 120 LPI – 48 L/cm	1-98% @ 110 LPI – 42 L/cm	2-95% @ 85 LPI – 34 L/cm
Minimum Positive Line Width	5 mil 0.125 mm	5 mil 0.125 mm	12 mil 0.300 mm	12 mil 0.300 mm
Minimum Isolated Dot	250 µm	250 µm	500 µm	500 µm
Relief Depth	0.039"-0.049" 1.00-1.25mm	0.039"-0.059" 1.00-1.50 mm	0.059"-0.079" 1.50-2.00 mm	0.098"-0.118" 2.50-3.00 mm

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

United States

DuPont Advanced Printing
Chestnut Run Plaza, Bldg. 702
974 Centre Road
Wilmington, DE 19805
800-345-9999

Canada

DuPont Advanced Printing
1919 Minnesota Court
Mississauga, ON L5N 0C9
Canada
905-816-3238

www.cyrel.com/na