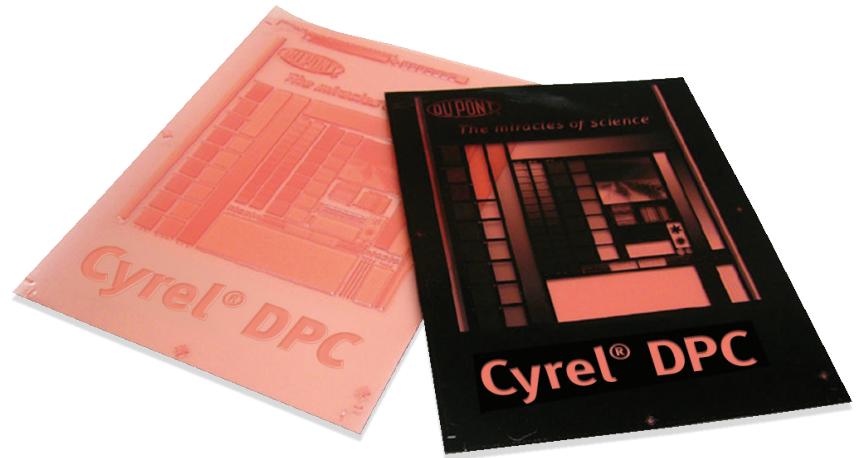


DuPont™ Cyrel® DPC

The Low Durometer Digital Plate for the Corrugated Market

Applications

- Corrugated post-print
- Sacks
- Rough paper surfaces



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.

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.

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.

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

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

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