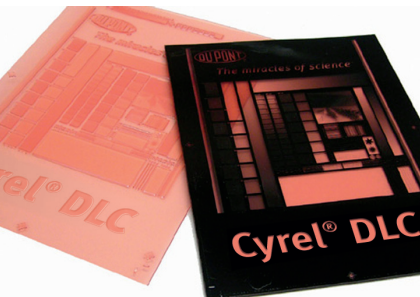


DuPont™ Cyrel® DLC

Low Durometer Digital Plate for the Corrugated Market



DuPont™ Cyrel® DLC

[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® DLC is a new, innovative soft digital plate developed especially for the corrugated market. Its low durometer is designed to print on lower quality recycled and thinner liner corrugated board using water-based inks.

DuPont™ Cyrel® DLC

Applications

- Corrugated post-print
- Sacks

Product Features

- Excellent ink transfer permits superior solid printing
- Image relief is clean and sharp
- Exceptional exposure latitude
- 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® DLC offers excellent compatibility with water-based 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 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.

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® DLC 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® DLC 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.

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Technical Data				
	Cyrel® DLC 125 Thickness 0.125"/3.18 mm	Cyrel® DLC 155 Thickness 0.155"/3.94 mm	Cyrel® DLC 170 Thickness 0.170"/4.32 mm	Cyrel® DLC 185 Thickness 0.185"/4.70 mm
Durometer	30 Sh A	28 Sh A	28 Sh A	28 Sh A
Image Reproduction	3-95% @ 85 LPI 34 L/cm	3-95% @ 71 LPI 28 L/cm	3-95% @ 71 LPI 28 L/cm	3-95% @ 71 LPI 28 L/cm
Minimum Positive Line Width	0.125 mm (5 mil)	0.125 mm (5 mil)	0.20 mm (7.5 mil)	0.20 mm (7.5 mil)
Minimum Isolated Dot Size	250 µm	500 µm	500 µm	500 µm
Relief Depth	0.039" – 0.60" 1.00 – 1.50mm	0.060" – 0.80" 1.50 – 2.00mm	0.060" – 0.80" 1.50 – 2.00mm	0.070" – 0.087" 1.80 – 2.20mm
	Cyrel® DLC 197 Thickness 0.197"/5.00 mm	Cyrel® DLC 217 Thickness 0.217"/5.51 mm	Cyrel® DLC 237 Thickness 0.237"/6.02 mm	Cyrel® DLC 250 Thickness 0.250"/6.35 mm
Durometer	28 Sh A	27 Sh A	27 Sh A	26 Sh A
Image Reproduction	3-95% @ 71 LPI 28 L/cm	3-95% @ 71 LPI 28 L/cm	3-95% @ 71 LPI 28 L/cm	3-95% @ 71 LPI 28 L/cm
Minimum Positive Line Width	0.20 mm (7.5 mil)	0.20 mm (7.5 mil)	0.20 mm (7.5 mil)	0.20 mm (7.5 mil)
Minimum Isolated Dot Size	500 µm	500 µm	500 µm	500 µm
Relief Depth	0.078" – 0.118" 2.00 – 3.00 mm	0.078" – 0.118" 2.00 – 3.00 mm	0.078" – 0.118" 2.00 – 3.00 mm	0.078" – 0.118" 2.00 – 3.00 mm

www.cyrel.eu

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

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