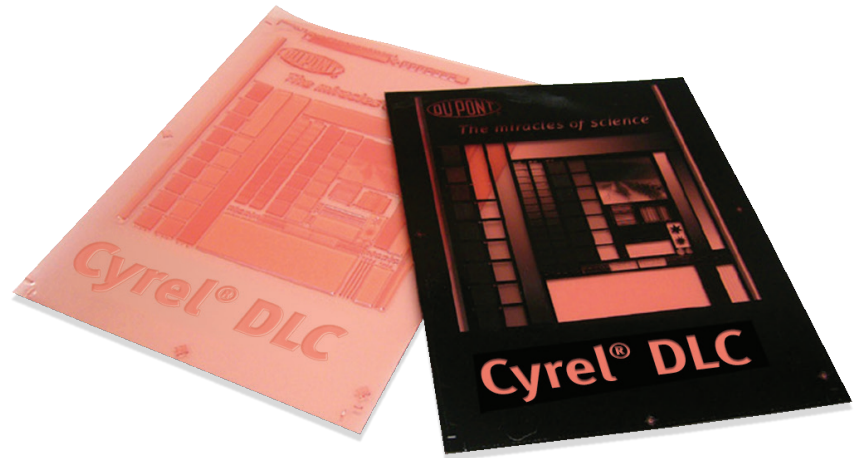


DuPont™ Cyrel® DLC

Low Durometer Digital Plate for the Corrugated Market

Applications

- Corrugated post-print
- Sacks



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.

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

	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth
Cyrel® DLC 125	3,18 mm (0,125")	30 Sh A	3-95% @ 85 LPI 34 L/cm	0,125 mm (5 mil)	250 µm	1,00 - 1,50 mm 0,039 - 0,60"
Cyrel® DLC 155	3,94 mm (0,155")	28 Sh A	3-95% @ 71 LPI 28 L/cm	0,125 mm (5 mil)	500 µm	1,50 - 2,00 mm 0,060 - 0,80"
Cyrel® DLC 170	4,32 mm (0,170")	28 Sh A	3-95% @ 71 LPI 28 L/cm	0,20 mm (7,5 mil)	500 µm	1,50 - 2,00 mm 0,060 - 0,80"
Cyrel® DLC 185	4,70 mm (0,185")	28 Sh A	3-95% @ 71 LPI 28 L/cm	0,20 mm (7,5 mil)	500 µm	1,80 - 2,20 mm 0,070 - 0,087"
Cyrel® DLC 197	5,00 mm (0,197")	28 Sh A	3-95% @ 71 LPI 28 L/cm	0,20 mm (7,5 mil)	500 µm	2,00 - 3,00 mm 0,078 - 0,118"
Cyrel® DLC 217	5,51 mm (0,217")	27 Sh A	3-95% @ 71 LPI 28 L/cm	0,20 mm (7,5 mil)	500 µm	2,00 - 3,00 mm 0,078 - 0,118"
Cyrel® DLC 237	6,02 mm (0,237")	27 Sh A	3-95% @ 71 LPI 28 L/cm	0,20 mm (7,5 mil)	500 µm	2,00 - 3,00 mm 0,078 - 0,118"
Cyrel® DLC 250	6,35 mm (0,250")	26 Sh A	3-95% @ 71 LPI 28 L/cm	0,20 mm (7,5 mil)	500 µm	2,00 - 3,00 mm 0,078 - 0,118"

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 (analogue 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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