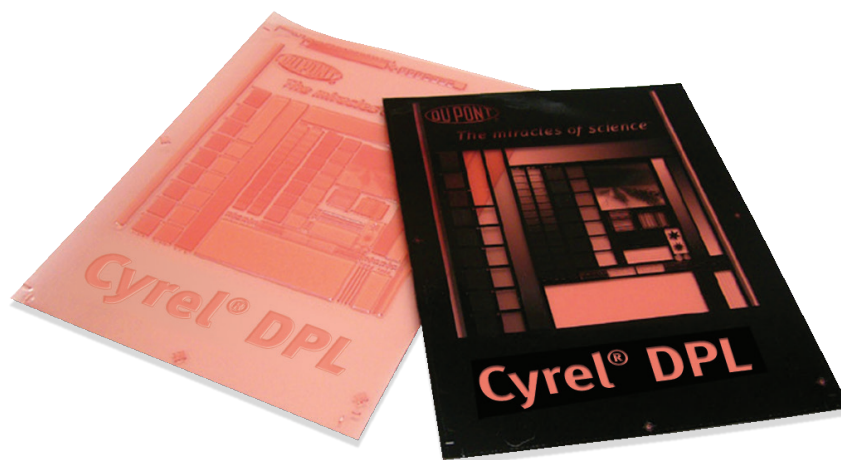


DuPont™ Cyrel® DPL

Medium Durometer High Resolution Digital Plate

Applications

- Flexible packaging
- Tag and Label
- Envelopes
- Carrier bags
- Folding cartons
- Pre-print liner
- Beverage cartons



DPL is a medium durometer digital plate with outstanding latitude and on-press performance resulting in a higher level of print quality and consistency. DPL continues the Cyrel® tradition of wide latitude and long run length while bringing the productive and economic benefits inherent in a fully digital platemaking workflow. In addition, since it was designed in tandem with Cyrel® FAST DFM, DPL provides maximum flexibility to the tradeshop that is also supporting remote CTP output.

Product Features and Benefits

- Ease of Use: Consistent manufacturing quality, wide exposure and processing latitude
- DuPont LAMs layer: Consistent laser imaging batch to batch
- High Resolution: Outstanding detail and minimum dot size
- Ink Laydown Clean printing, good solids, less mottle
- Robust: Long run length
- Designed to Match DFM: Single press profile works for DPL and DFM

Printing Ink and Solvent Compatibility

Cyrel® DPL offers excellent compatibility with solvent-based, water-based and many UV 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.

Mounting

Microdot mounting devices are recommended for mounting Cyrel® DPL plates. The double sided adhesive should first be applied to the cylinder or sleeve—not the plate—to ensure easier and precise laydown. The polyester base will maintain accurate register even with large plates.

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® DPL 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

Cyrel® TDR plates should be handled under UV free light; e.g. fluorescent tubes covered with amber sleeves.

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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.

Technical Data

	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth
Cyrel® DPL 45	0.045"	70 Sh A	1-98% 70 L/cm/175 lpi	0.075 mm/3 mil	5 mil	0.45-0.58 mm / 0.018-0.023"
Cyrel® DPL 67	0.067"	58 Sh A	1-98% 70 L/cm/175 lpi	0.075 mm/3 mil	5 mil	0.45-0.58 mm / 0.018-0.023"
Cyrel® DPL 107	0.107"	48 Sh A	1-95% 60 L/cm/150 lpi	0.100 mm/4 mil	6 mil	0.50-0.63 mm / 0.020-0.025"
Cyrel® DPL 112	0.112"	48 Sh A	1-95% 60 L/cm/150 lpi	0.100 mm/4 mil	6 mil	0.50-0.63 mm / 0.020-0.025"

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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