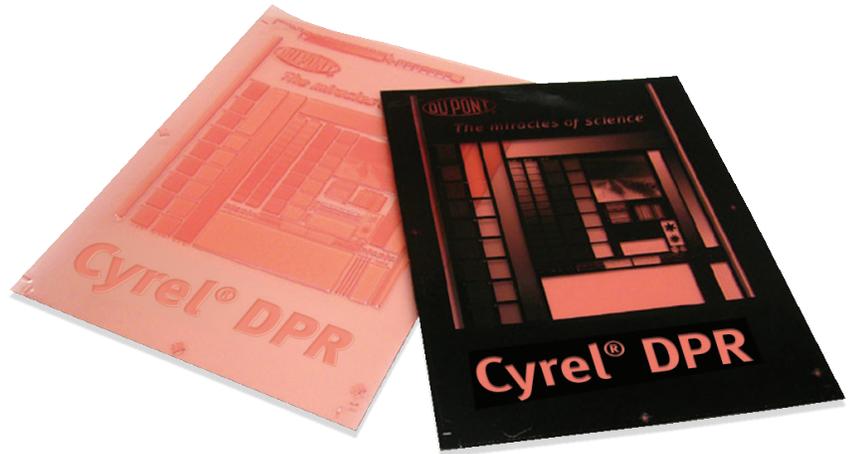


DuPont™ Cyrel® DPR

The New Premium Digital Plate for Optimum Print Results

Applications

- Flexible packaging
- Folding cartons
- Beverage cartons
- Tag & Label



DuPont™ Cyrel® DPR is the digital plate of choice for high quality printing across a broad range of packaging segments. Cyrel® DPR has been designed to perform with a wide array of substrates and inks at higher productivity levels on press than other digital plates.

Product Features

- Impressive plate robustness
- Fabulous printing uniformity across the web
- Remains longer clean on press
- Sharp type and open reverses
- Very low dot gain
- High exposure resolution (resulting in better quality reproduction on press)
- Clean and sharp image relief
- High resistance to ozone and white light results in excellent storage capability

Printing Ink and Solvent Compatibility

Cyrel® DPR offers excellent compatibility with solvent-based and water-based inks, and limited compatibility with select 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

Cyrel® Microflex mounting devices are recommended for mounting Cyrel® DPR 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), away from direct sources of heat. Cyrel® DPR 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® DPR plates should be handled under UV free light.

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® DPR 45 | 1.14 mm (0.045") | 76 Sh A | 1-98% @ 60 L/cm | 0.05 mm (2 mil) | 200 µm | 0.60 mm max. (0.024") |
| Cyrel® DPR 67 | 1.70 mm (0.067") | 69 Sh A | 1-98% @ 60 L/cm | 0.05 mm (2 mil) | 200 µm | 0.70 mm max. (0.028") |
| Cyrel® DPR 100 | 2.54 mm (0.10") | 66 Sh A | 1-98% @ 54 L/cm | 0.075 mm (3 mil) | 250 µm | 0.80 - 0.90 mm (0.031" - 0.035") |
| Cyrel® DPR 112 | 2.84 mm (0.11") | 65 Sh A | 1-98% @ 54 L/cm | 0.075 mm (3 mil) | 250 µm | 0.90 - 1.00 mm (0.035" - 0.039") |

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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