

# DuPont™ Cyrel® DPR

ROBUST DIGITAL PLATE FOR HIGHEST QUALITY PRINTING

## DuPont Packaging Graphics

**To help our customers gain competitive advantage in the global packaging graphics value chain.**

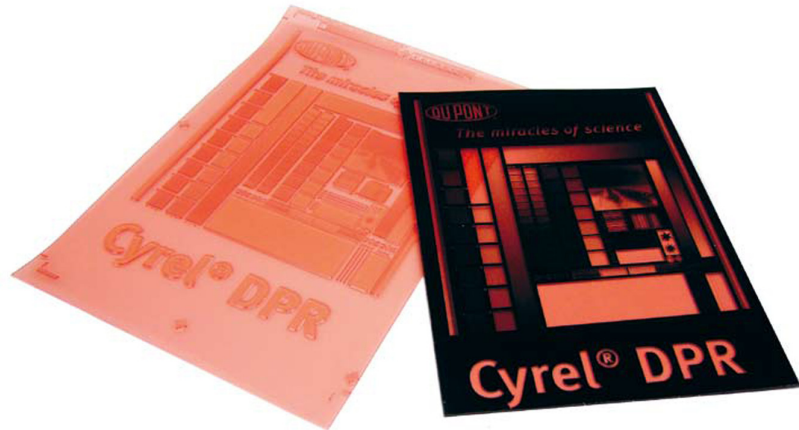
DuPont Packaging Graphics continues to be a global technology leader in supplying flexographic printing systems. Our scientists continue to develop unique solutions based on new technologies to help our customers expand their business by taking advantage of new profitable packaging printing opportunities.

DuPont Packaging Graphics portfolio of products includes Cyrel® brand photopolymer plates (analog and digital), Cyrel® plate-making equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.

**Cyrel® DPR is the digital plate of choice for high quality printing across a broad range of packaging segments. DPR has been designed to perform with a wide array of substrates and inks.**

### Applications

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



## DuPont™ Cyrel® DPR

### Product Features

- Outstanding run length
- Excellent tonal range
- Sharp type and open reverses
- Low dot gain
- High exposure resolution results in better quality reproduction on press
- Image relief is clean and sharp
- 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 Cyrel® Digital Image (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



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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.

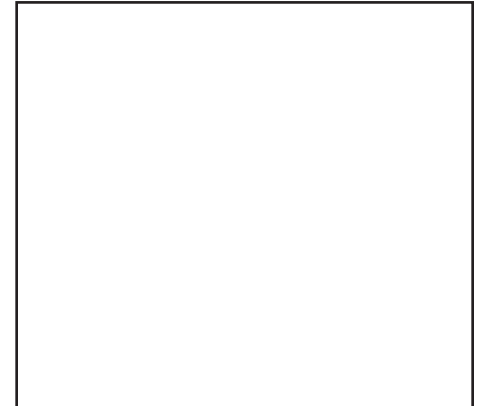
<b>Technical Data</b>		
	<b>Cyrel® DPR 45 Thickness 0.045 inch/1.14 mm</b>	<b>Cyrel® DPR 67 Thickness 0.067 inch/1.70 mm</b>
<b>Durometer</b>	76 Sh A	69 Sh A
<b>Image Reproduction</b>	1–98% 120 L/cm	1–98% 120 L/cm
<b>Minimum positive line width</b>	4 mil–0.10 mm	4 mil–0.10 mm
<b>Minimum isolated dot size</b>	4 mil–0.10 mm	4 mil–0.10 mm
<b>Relief Depth</b>	0.016–0.024 inch 0.4–0.6 mm	0.016–0.024 inch 0.4–0.6 mm

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**To learn more please visit  
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